CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Highway, Cuba, Dept. Pub. Wks., Havana, soon takes bids for constructing 700 mi. Central Highway, $60,000,000.

Schools, Cuba, Dept. Pub. Wks., Havana, plans schools, $10,000,000.

Water works, Santiago, Cuba, Dept. of Pub. Wks., Havana plans constructing water-works at Santiago, $5,000,000.

Apartments, Kansas City, Mo. J. C. Nichols Companies had preliminary plans made, $5,000,000 to $7,000,000.

Flour mill, Buffalo, N. Y., Standard Milling Co. having plans prepared, $4,000,000.

College, Portland, Ore., Concordia College having plans prepared, $4,000,000.

Cement plant, Rockland, Me., Consolidated Cement Co. plans cement plant, $3,000,000.

Street work, Toronto, Ont., City Council plans extending and widening Sherbourne St., $2,903,000.

Church, Chicago, Ill., Grace Methodist Episcopal Church having plans prepared, $2,200,000.

Street work, Toronto, Ont., plans widening Block St., $1,500,000.

Engine terminals and shops, Gouldsboro, La., Texas & Pacific R.R. Co. had tentative plans prepared, $1,500,000.

Sewers, Wyandotte, Mich., plans mains and laterals, $1,300,000.

Street work, Pasadena, Calif., voted bonds for street work, $1,150,000.

Water-works, Wichita Falls, Tex., plans bond election for water-works improvements, $1,000,000.

Theatre, store and office, Springfield, Mass. Goldstein Bros. Amusement Co., plans building, $1,000,000.

Bank, Kansas City, Mo., New England National Bank plans building, $1,000,000.

Refinery, Gary, Ind., Standard Oil Co. of Indiana having plans prepared, $1,000,000.

Hotel, San Diego, Calif., Syndicate having plans prepared, $1,000,000.

Hotel, Gulfport, Miss., Markham Hotel Co. plans building, $1,000,000.

Bids Wanted

School, June 2, Washington, D. C. Dist Comrs., $2,250,000.

Water-works, May 18, Hagerstown, Md Bd. Water Comrs., $1,500,000.

Theatre, June 15, Omaha, Neb., Orpheum Circuit, $1,000,000.

Apartment, New York, N. Y., W. Warren soon takes bids, $1,000,000.

Contracts

Sewage Treatment, Chicago, Ill., Bd. Trustees North Side Sewage Treatment Works to J. Griffith & Son Co., $1,538,422.

Granite, Washington, D. C. Executive Officer Arlington Memorial Bridge Com. to Stone Mountain Granite Co., $207,000; to North Carolina Granite Co., $1,615,000.

Hotel and apartment, St. Louis, Mo., Local Syndicate to Widmer Eng. Co., $1,300,000.

Tunnel, San Francisco, Calif., Bd. Pub. Wks. to Youdall Constr. Co., $1,247,502.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

May 24 Norwalk, Conn. ..... May 6
May 24 Louisville, Miss. ..... May 20
May 25 Phila., Pa. ..... May 20
May 25 Greensboro, N. C. ..... May 20
May 25 St. Louis, Mo. ..... May 6
May 25 Wheeling, W. Va. ..... May 13
Adv. May 13 and 20.
May 25 Blairsville, Pa. ..... May 13
Adv. May 13 and 20.
May 25 Edgerton, Wis. ..... May 20
May 25 Sioux Falls, S. D. ..... May 20
May 26 Cleveland, O. ..... May 20
May 27 Quincy (Boston P. O.), Mass. ..... May 20
May 27 York, S. C. ..... May 13
May 27 Chandler, Ariz. ..... May 20
May 28 Fargo, N. D. ..... May 20
May 28 New York ..... May 20
May 29 Gulfport, Miss. ..... Apr. 29
June 2 New York, N. Y. ..... May 6
June 2 Sanford, N. C. ..... May 20
June 7 Vermilion, O. ..... May 20
June 7 Healdsburg, Calif. ..... May 20
June 7 Placerville, Calif. ..... May 20
June 7 Rahway, N. J. ..... May 20
Adv. May 20.
June 7 Crosby, N. D. ..... May 20

Sewers

May 24 Cleveland Heights (Cleveland P. O.), O. ..... May 20
May 24 Wash., D. C. ..... May 20
May 24 Chicago, Ill. ..... May 20
May 25 Niles Center, Ill. ..... May 20
May 25 West Roxbury (Boston P. O.), Mass. ..... May 20
May 25 Muskegon, Mich. ..... Apr. 29
May 25 Niles (mail Chicago), Ill. ... May 6
May 25 Plaquemine, La. ..... May 6
Adv. May 6 to 20.
May 25 Onago, Kan. ..... May 20
May 26 Brooklyn, N. Y. ..... May 20
May 26 Phila., Pa. ..... May 20
May 26 Cleveland, O. ..... May 20
May 27 Chicago, Ill. ..... May 20
May 27 Milwaukee, Wis. ..... May 20
May 28 Louisville, Ky. ..... May 6
May 28 Akron, N. Y. ..... May 13
Adv. May 13 and 20.
May 28 Watkins, Kan. ..... May 20
May 31 Selma, Ala. ..... May 13
June 1 Los Angeles, Calif. ..... May 20
June 2 Detroit, Mich. ..... May 20
June 7 Crosby, N. D. ..... May 20
June 8 St. Louis, Mo. ..... May 13
June 8 Lyndonville, N. Y. ..... May 20
Adv. May 20.

Waste Disposal

Bids close — *See Eng. News-Record*

May 24 Highlands, N. J. ..... May 20
Adv. May 20.
May 25 New Dorp (sta. Staten Island), N. Y. ..... May 20
May 27 Galveston, Tex. ..... Apr. 29
June 3 Mobile, Ala. ..... May 6
Adv. May 6 to 20.

Bridges

May 21 Akron, O. ..... Apr. 29
May 21 Maskinonge, Que. ..... May 6
May 21 Pennsylvania ..... May 20
May 22 Milwaukee, Wis. ..... May 20
May 25 New York ..... May 13
Adv. May 13 and 20.
May 26 Los Angeles, Calif. ..... May 6
May 27 Louisiana ..... Apr. 29
May 27 Pennsylvania ..... May 20
May 27 Cour d'Alene, Idaho ..... May 20
May 28 Missouri ..... May 20
June 1 Massachusetts ..... May 20
June 1 Sebring, Fla. ..... May 6
Adv. May 6 to 20.
June 1 Mercer, Pa. ..... May 13
Adv. May 13 and 20.
June 1 Santa Cruz, Calif. ..... May 13
June 1 Jacksonville, Fla. ..... May 13
Adv. May 13 and 20.

Excavation, Drainage, Irrigation, Levees, River and Harbor

May 24 Buffalo, N. Y. ..... Apr. 22
May 25 Waukon, Ia. ..... May 20
May 27 New Jersey ..... May 13
May 31 La Mesa, Calif. ..... May 20
May 31 Baltimore, Fla. ..... May 13
May 31 Bradentown, Fla. ..... May 13
June 1 Galveston, Tex. ..... Apr. 29
June 2 New York, N. Y. ..... May 20
Adv. May 20.
June 4 Albany, N. Y. ..... May 13
Adv. May 13 and 20.
June 8 Springfield, Ill. ..... May 20
June 15 St. Louis, Mo. ..... May 13

Streets and Roads

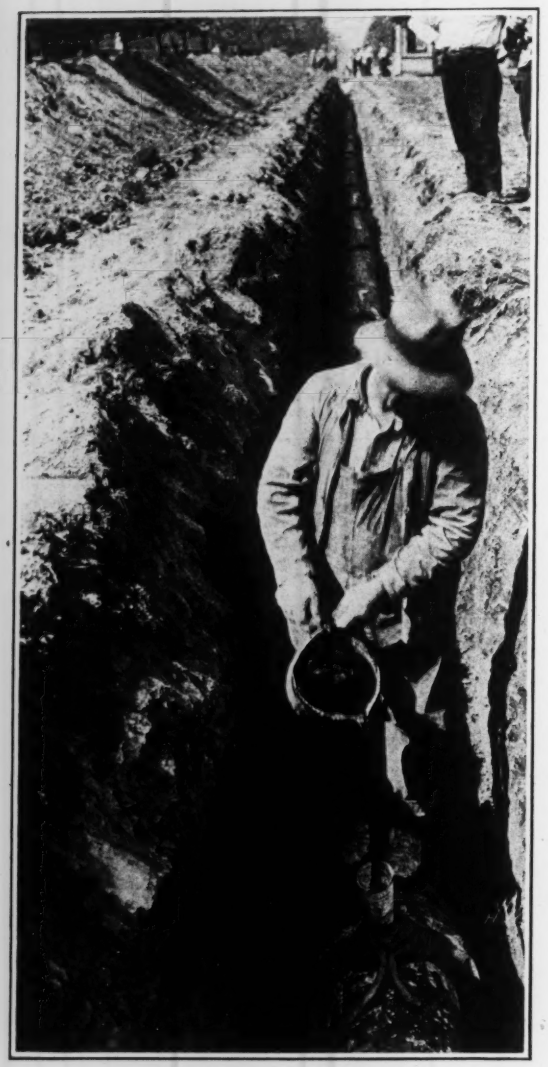
May 21 Westmont, Pa. ..... May 13
May 22 Portland, Me. ..... May 20
May 22 Milwaukee, Wis. ..... May 20
May 24 Kansas City, Mo. ..... May 20
May 24 Amory, Miss. ..... May 20
May 24 St. Paul, Minn. ..... May 20
May 24 Norwalk, O. ..... May 20
May 24 Huntington, W. Va. ..... May 6
May 24 Garrett, Kan. ..... May 6

Bids close — *See Eng. News-Record*

May 24 New Jersey ..... May 6
May 24 Akron, O. ..... May 13
May 24 Minneapolis, Minn. ..... May 13
May 24 Durant, Miss. ..... May 13
May 24 Michigan ..... May 13
May 24 Phila., Pa. ..... May 13
May 24 New York, N. Y. ..... May 20
May 24 Boston, Mass. ..... May 20
May 24 Jasper, Ala. ..... May 20
May 24 Virginia ..... May 20
Adv. May 20.
May 24 Ecorse, Mich. ..... May 20
May 25 Massachusetts ..... May 20
May 25 Wisconsin ..... May 20
May 25 Clayton, Mo. ..... May 20
May 25 Seymore, Wis. ..... May 20
May 25 Wash., D. C. ..... May 20
May 25 Cedar Grove, La. ..... May 20
May 25 Ft. Wayne, Ind. ..... May 13
May 25 Minnesota ..... May 13
May 25 Maryland ..... May 13
Adv. May 13 and 20.
May 25 New York ..... May 13
Adv. May 13 and 20.
May 25 Wellington, Kan. ..... May 6
May 25 North Dakota ..... May 6
May 25 Manasquan, N. J. ..... May 6
Adv. May 6 to 20.
May 25 Washington ..... May 6
May 25 Dartmouth, Mass. ..... May 13
May 25 Texas ..... May 20
May 25 Trail, B. C. ..... May 20
May 25 Carnegie, Okla. ..... May 20
May 26 Pittsburgh, Pa. ..... May 20
May 26 Brooklyn, N. Y. ..... May 20
May 26 Pratt, Kan. ..... May 6
May 26 Delaware ..... Apr. 29
May 26 Stuart, Fla. ..... May 6
May 26 Siler City, N. C. ..... May 13
May 26 Michigan ..... May 13
May 26 Rhode Island ..... May 20
Adv. May 20.
May 26 Tyrone, Pa. ..... May 20
May 26 Nevada ..... May 20
May 26 Wisconsin ..... May 20
May 27 Brooklyn, N. Y. ..... May 20
May 27 Chicago, Ill. ..... May 20
May 27 Dodge City, Kan. ..... May 6
May 27 Charleston, W. Va. ..... May 6
May 27 Michigan ..... May 13
May 27 Michigan ..... May 20
May 27 South Carolina ..... May 20
May 27 Chicago, Ill. ..... May 20
May 27 Juneau, Wis. ..... May 20
May 27 Uniontown, Pa. ..... May 20
May 28 Fargo, N. D. ..... May 20
May 28 Arizona ..... May 20
May 28 Medicine Lodge, Kan. ..... May 6
May 28 La Belle, Fla. ..... May 13
May 28 Freeport, N. Y. ..... May 13

See proposal advertising on page 107, Advertising Section

TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Pouring LEADITE Joints on line of 12-in. c. i. bell and spigot water main.

Durable Pipe Joints

The wise man builds for the future. Supply lines and distribution systems are usually permanent installations.

Durability and quality should be the first consideration of the product used for making joints in cast iron bell and spigot water mains.

LEADITE is a good product and the leader in its field, because it has gained and retained the recognition, support and patronage of such a great number of water works men for so many years.

LEADITE has been tested and used for over 30 years, under all pressures and conditions, by water works, railroads, mines, contractors and industrial plants thruout the country.

Thousands of miles of pipe have been laid with LEADITE joints, on all sizes from 4 in. to 60 in. in diameter.

LEADITE takes the drudgery out of pipe laying; saves time, money and labor; makes flexible joints; makes joints which will stand vibration under tracks, over and under bridges; makes joints which resist electrolysis; eliminates large bell holes; reduces trench pumping and other work incidental to caulking—LEADITE requires no caulking.

Every water works man abreast of the times knows about LEADITE. LEADITE is an interesting and familiar topic at water works conventions and wherever water works men congregate.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%.

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
May 28	Cincinnati, O.	May 20
May 28	Wisconsin	May 20
May 28	Missouri	May 20
May 28	Hamilton, O.	May 20
May 31	Garnett, Kan.	May 13
May 31	Arkansas	May 20
June 1	San Diego, Calif.	May 20
June 1	Gobels, Mich.	May 20
June 1	Birmingham, Ala.	Apr. 22
June 1	St. Louis, Mo.	May 13
June 1	Maryland	May 20
June 1	West Virginia Adv. May 20.	May 20
June 1	Newton, N. J. Adv. May 20.	May 20
June 1	Massachusetts	May 20
June 2	Omaha, Neb.	May 20
June 2	Greensburg, Pa.	May 20
June 3	Pennsylvania Adv. May 20.	May 20
June 4	Columbus, Kan.	May 13
June 5	Groveton, Tex.	May 20
June 7	Akron, O.	May 13
June 7	Salina, Kan.	May 13
June 7	San Jose, Calif.	May 20
June 7	Martinez, Calif.	May 20
June 8	Wabash, Ind.	May 13
June 8	St. Louis, Mo.	May 13
June 8	Eldorado, Kan.	May 13
June 8	St. Louis, Mo.	May 20
June 8	Lakewood, N. J. Adv. May 20.	May 20
June 8	Warsaw, Ind.	May 20
June 8	Dover, N. J. Adv. May 20.	May 20
June 9	Delaware Adv. May 13 and 20.	May 20
June 9	Harrison, Mich.	May 20
June 11	Coldwater, Kan.	May 13
June 11	Fellsmere, Fla.	May 13
June 11	Olathe, Kan.	May 13
June 12	Lake Charles, La.	May 20
June 15	Duluth, Minn.	May 20
June 15	Louisiana	May 20
June 15	Anderson, Ind.	May 13
June 22	Duluth, Minn.	May 20

Buildings—Commercial

May 24	Phila., Pa.	May 20
May 25	Iowa City, Ia.	Apr. 15
May 25	Antigo, Wis.	May 20
May 26	Phila., Pa.	May 20
May 27	Bristol, Conn.	May 20
June 2	Juniata (br. Altoona), Pa.	May 6
June 8	Duluth, Minn.	May 6
June 14	New York, N. Y.	Apr. 29
July 1	Texarkana, Tex.	Apr. 22
Sept. 1	Vancouver, B. C.	Apr. 22

Buildings—Industrial

May 24	Abington, Pa.	May 20

Buildings—Educational, Religious

May 21	Portsmouth, O.	May 13
May 21	Stamford, Conn.	May 13
May 21	New Canaan, Conn.	May 13
May 24	Worcester, Mass.	May 20
May 24	Cleveland, O.	May 20
May 25	Underwood, Ia.	May 6
May 25	Sioux City, Ia.	May 13

Bids close		See Eng. News-Record
May 25	Gretna, La.	May 20
May 25	Belleville, Mich.	May 20
May 26	Greeley, Colo.	May 13
May 26	Chicago, Ill.	May 13
May 26	Lansing, Mich.	May 13
May 26	Waltham (Ind. br. Boston), Mass.	May 13
May 26	East Lansing, Mich.	May 20
May 26	Fordson, Mich.	May 20
May 26	Irvington (br. Newark), N. J.	May 20
May 26	Los Angeles, Calif.	May 20
May 26	Brooklyn, N. Y.	May 20
May 27	Allston (sta. Boston), Mass.	May 20
May 27	Iowa City, Ia.	May 6
May 27	San Leandro, Calif.	May 20
May 31	Woonsocket, R. I.	May 20
May 31	Little Rock, Ark.	May 13
June 1	Mercedes, Tex.	May 20
June 1	Superior, Wis.	May 20
June 2	Wash., D. C.	May 20
June 3	Perth Amboy, N. J.	May 20
June 4	Akron, O.	May 13

Federal Government Work

May 24	Dam—Fort Meade, S. D.	May 13
May 25	Dredging—Michigan Adv. May 6 to 20.	May 6
May 25	Sand, etc.—Illinois Adv. May 13 and 20.	May 13
May 25	Road—California	May 13
May 25	Revetment—Klondike, Mo.	May 20
May 26	Generator Sets—Pearl Harbor, T. H.	May 13
May 26	Extension — Jacksonville, Ill.	May 20
May 26	Sewer—Dayton, O.	May 20
May 27	Remodeling—Lynn, Mass.	May 13
May 27	Sewer—Wash., D. C.	May 6
May 28	Sewers, etc.—Nevada	May 20
May 29	Dwellings — Nashville, Tenn.	May 13
June 1	Steel Barges—Memphis, Tenn. Adv. May 6 to 20.	May 6
June 1	Pier—Charleston, S. C. Adv. May 6 to 20.	May 6
June 1	Mezzanine—Boston, Mass.	May 20
June 3	Remodeling — Nashua, N. H. Adv. May 20.	May 20
June 7	Operating Machinery—Louisville, Ky. Adv. May 13 and 20.	May 13
June 7	Breakwater—Presque Isle, Mich.	May 20
June 8	Hospital, etc.—North Chicago, Ill. Adv. May 6 to 20.	May 6
June 9	Compass Station — Empire, Ore.	May 13
June 9	Gates—Pittsburgh, Pa. Adv. May 13 and 20.	May 13
June 9	Boilers — Terre Haute, Ind. Adv. May 13 and 20.	May 13
June 9	Chimney — Mare Island, Calif.	May 20
June 10	Laboratory—Fort Benning, Ga. Adv. May 20.	May 20

Bids close		See Eng. News-Record
June 10	Tower—New York, N. Y. Adv. May 20.	May 20
June 10	Power Plant, etc.—Hot Springs, Ark.	May 20
June 11	Dredging—Green Bay, Wis. Adv. May 20.	May 20
June 12	Docking Caissons—Huntington, W. Va.	May 20
June 14	Hangar—Wash., D. C. Adv. May 20.	May 20
June 14	Hulls, etc.—Louisville, Ky. Adv. May 20.	May 20
June 15	Barn, etc. — St. Cloud, Minn. Adv. May 20.	May 20
June 16	Houses—Pittsburgh, Pa. Adv. May 20.	May 20
June 21	Hospital, etc.—Palo Alto, Calif. Adv. May 20.	May 6
July 7	Motors, etc.—Wash., D. C.	May 13
July 15	Dredging—Hawaii Adv. May 13 and 20.	May 13

Unclassified

May 21	Timber Piles, etc.—Albany, N. Y. Adv. May 13.	May 13
May 24	Entrance and Exit Plazas—Jersey City, N. J.	May 20
May 25	Stadium—Austin, Tex.	May 6
May 26	Heating, etc.—Kings Park, N. Y. Adv. May 6 to 20.	May 6
May 28	Waterproofing Standpipe, etc. —Walpole, Mass.	Apr. 29
May 28	Tracking, etc.—New York, N. Y.	May 20
May 28	Fill—Corona (Ind. sta. Flushing), N. Y.	May 20
May 31	Wharf—Mobile, Ala. Adv. Apr. 29 to May 20.	Apr. 29
June 1	Wharf Sheds—Lake Charles, La.	May 20
June 3	Heating and Sanitary Work—Raybrook, N. Y. Adv. May 13 and 20.	May 13
June 7	Heating and Ventilating—Detroit, Mich.	May 20
June 9	Culvert, etc.—New Rochelle, N. Y. Adv. May 20.	May 20
Sept. 30	Crane Gantries, etc.—Otahulu, New Zealand	May 20

Materials

May 21	Rails, etc.—Phila., Pa.	May 13
May 24	Cables—Milwaukee, Wis.	May 20
May 24	Sand and Gravel—Minneapolis, Minn.	May 20
May 24	Castings—New York, N. Y.	May 20
May 25	Cement Blocks—Albany, N. Y. Adv. May 13 and 20.	May 13
May 25	Patching Material—Boston, Mass.	May 20
June 4	Gas Pipe, etc.—Richmond, Va.	May 20
June 11	Gravel—Louisiana	May 20

News of New Work

Waterworks

Proposed Work

N. J., Trenton—City Comn. soon takes bids 3 m.g. unit at Water Dept. Service Station. $50,000. A. Swan, City Hall, engr.

W. Va., Williamson — See "Streets and Roads."

Miss., Biloxi — Election soon $176,000 bonds, extending distribution system, etc. Hawkins & Madding, Biloxi and Gulfport, engrs.

Miss., Pascagoula — Making preliminary plans extending water system. $20,000.

O., Conneaut — Making plans 4 m.g. capacity plant, mains, etc. $300,000. W. G. Clark, Spitzer Bldg., Cleveland, engr.

Ind., Indianapolis — Water Comrs. plan 12,000 ft. mains to University Heights, south of here. $20,000.

Ind., Michigan City — Plans intake for waterworks. $40,000. C. Brossman, 1503 Merchants Bank Bldg., Indianapolis, engr.

Mich., Detroit—Bd. Water Comrs. making plans 40 x 60 ft. rein.-con., brick and steel booster station at Linwood and Fenkell Aves. $25,000. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Mich., Detroit — Fire Dept. plans high pressure extensions in various sections, incl. c.i. mains with hydrants, valves, etc. $150,000.

Mich., Wyandotte—Made plans extending c.i. mains, etc., in various streets. $380,000. Hubbell, Hartgering & Roth, 2640 Penobscot Bldg., Detroit, engrs.

Ill., Libertyville—Takes bids about June 15th mains in various streets. $100,000. Kelker, DeLeuw & Co., 111 West Washington St., Chicago, engrs.

Wis., Neenah—Bd. Water Comrs., H. S. Zemlock, secy., soon takes bids one 500,000-600,000 gal. stand pipe, probably steel. To exceed $15,000.

Ia., Indianola—Making preliminary plans permanent water supply, either wells or storage reservoir, pumping equipment, distribution system, etc. Currie Eng. Co., Webster City, engrs.

Minn., Mantorville—Making plans waterworks. $25,000. R. A. Meeker, village recdr. Engineer not announced.

Ark., Malvern — J. E. Cox, supt., c/o Water Dept., plans 11,000 ft. 8 in. c.i. pipe from river to filtration plant.

Tex., Como—Takes bids about June 8th, waterworks. $30,000. Former bids rejected. Douglas & Davenport 2 Ward Bldg., Wichita Falls, engrs.

Tex., Wichita Falls—Election June 5, $1,000,000 bonds, waterworks improvements, incl. pumping, filter and softening plants at Lake Wichita, and high pressure mains in city. Address W. E. McBroom, city secy. Noted Dec. 17.

Calif., Laguna Beach—Laguna Beach Co. Water Dist., P. O. Box 647, made plans constructing Reservoir 1, 7,600 cu.yd. excav., 810 cu.yd. rein.-con., 12,900 sq.ft. concrete in floor, etc.; Reservoir 2, 2,800 cu.yd. excav., 338 cu.yd. rein.-con. in walls, footings, etc.; and pumping equipment, 2 deep well turbine pumps, 900 g.p.m. direct connected to 25 hp. motor, 2 horizontal centrifugal 900 g.p.m. pumps direct connected to 100 hp. motor, 2 horizontal cenrtifugal 900 g.p.m. connected to 75 hp. motor, and 1 horizontal centrifugal 300 g.p.m. direct connected to 40 hp. motor. E. A. Rowe, P. O. Box 647, resident engr. J.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

See classified index on bids wanted on page 307

When Speed Is Needed Here Is a Way of Getting It

To gain time, people send messages by air mail, special delivery, telegraph and cable. The slight extra cost is fully repaid by the saving in time.

Often in your work, time also is of vital importance and you aim to save it all along the line. Among other things you do not want to wait the weeks usually required for concrete to reach the desired strength. You do not need to.

By using well-authenticated methods and standard *Universal* cement, the same quality *Universal* regularly used, you can secure *strong* concrete in *3 days* and at the same time get a concrete that is much better and much stronger forever after.

Detailed information on the methods for obtaining this *time*-saving, *strong* concrete in *3 days* will be sent promptly on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

B. Lippincott, Central Bldg., Los Angeles, consult. engr.

Calif., Orange—Bd. City Trustees election May 19, $125,000 bonds, improving water system; also $60,000 bonds, extending joint outfall sewer line.

Calif., Santa Barbara — Making plans rein.-con. arch dam, 45,000,000 gal. capacity at Sheffield Reservoir. C. W. Moore, city engr.

Cuba, Santiago — Dept. Pub. Wks., Havana, plans constructing waterworks, here. $5,000,000. M. A. Coroalles, Havana, state ch. engr.

Bids Desired

Mass., Quincy (Boston P. O.)—May 27, by Dept. Pub. Wks., c. i. mains in various streets, $15,000 bonds; also 50 fire hydrants. Metcalf & Eddy, 14 Beacon St., Boston, engrs.

New York — May 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, water supply conduit, strengthening existing conduit, etc., of Brooklyn water supply system, in Kings and Queens counties.

N. J., Rahway—June 7, by Bd. Water Comrs., R. K. Miller, pres., coagulation basin, new filtration plant, etc. Hazen & Whipple, 25 West 43rd St., engrs.; adv. E. N.-R. May 20. Noted Dec. 17.

Phila., Pa.—May 25, by Dept. Pub. Wks., Bureau of Water, 50,000 lb. pig lead, Contr. 813; 6 flow meters, Contr. 416; two 50 ton capacity coal cars, steel, Contr. 819; and electric cables, Contr. 820. G. H. Biles, dir.

N. C., Greensboro—May 25, by City, pipe and other water department supplies for use in street construction. $60,000. E. B. Jeffress, Greensboro, mayor.

N. C., Sanford—June 2, by W. H. Fitts, mayor, earth and concrete impounding dam, coagulating basin, chemical feed house, incl. 20,000 cu.yd. embankment, 3,000 cu.yd. excav., 2,000 cu.yd. rein.-con. paving, 450 lin.ft. 14 and 18 in. pipe line, etc. Guilbert C. White Co., Durham, engrs. Noted Apr. 1.

Miss., Louisville—May 24, by Mayor & Bd. Aldermen, Woodward Bldg., 250,000 gal. rein.-con. reservoir.

O., Cleveland—May 26, by Bd. Comrs. Cuyahoga Co., 12,000 ft. 6- to 24-in. c.i. mains in Clifton Blvd. and Sloane Ave., Impvt. 655. F. Williams, Court House, engr.

O., Vermilion—June 7, by Clerk Bd. Pub. Affairs, 1 m.g. filtration plant, 600 cu.yd. excav., 300 cu.yd. concrete and building. $25,000. G. B. Gascoigne, 1149 Leader Bldg., Cleveland, engrs. Noted Dec. 31.

Ill., Chicago—May 24, by City, Room 409, City Hall, 500 Chicago standard fire hydrants, by rail or truck, to City Pipe Yards. A. A. Sprague, comr.

Wis., Edgerton—May 25, by C. A. Hoen, city clk., 12 x 18 ft., brick and concrete pumping station, new well, one 500 g.p.m. motor or engine driven centrifugal pump, and one 6 in. turbine meter. W. G. Kirchoffer, 22 North Carroll St., Madison, engr. Noted May 6.

S. D., Sioux Falls — May 25, by City, W. C. Leysa, aud., engine, generator and pumps for Water Dept. $60,000. Maury & Gordon, 304 South Dearborn St., Chicago, Ill., engrs.

N. D., Crosby—June 7, by O. Woolfrey, city aud., 21,405 ft. 6 and 8 in. c.i. pipe, well, pump house, one 100,000 gal. storage reservoir, one 50,000 gal. elevated steel tank, etc. $35,000. Dakota Eng. & Constr. Co., Valley City, engrs. Noted Apr. 29.

N. D., Fargo — May 28, by City Clerk, large distribution main at west end between north and south sides. $85,000. R. T. Jacobson, city engr.

Ariz., Chandler—May 27, by F. V. Howey, city clk., 35,122 ft. 4- to 12-in. Class "B" c.i. pipe, 40,450 lb. c.i. specials, resets 58 and install 6 new hydrants, thirty-five 4- to 12-in. valves and boxes, well 275 ft. deep, 100,000 gal. steel tank on 110 ft. tower, etc. Wieland Eng. Co., Thatcher Bldg., Pueblo, Colo., engrs. Noted June 25.

Calif., Healdsburg — June 7, by J. W. Hillhouse, city clk., 3,000 4 in. Class "C" vertical c.i. water pipe, c.i. tees and crosses, 4 Corey hydrants, and 1,000 lb. lead.

Calif., Pasadena—City Clerk taking bids Calaveras street reservoir, concrete lined, 10 m.g. capacity. $40,000 or more. S. B. Morris, city water supt. Noted Dec. 24.

Calif., Placerville—June 7, by E. Mahler, city clk., 2,250 ft. 4 in. bell and spigot joint de Lavaud centrifugal c.i. pipe, random lengths, 270 ft. 2 in. threaded and coupled standard black wrought iron pipe, random lengths, four 4 in. bell and spigot joint de Lavaud centrifugal c.i. ⅛th bends, etc.

Bids Received

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, May 11, mains in Ditmars and 60th Aves., Edison, Indiana, Olmstead and Tesla Pls., etc., here, from Wataga Contg. Co., 308 Lenox Ave., $7,110. Noted May 6.

Md., Baltimore — Bd. Awards, May 12, mains and excavating trenches in York Rd. for Bureau Water Supply, from M. and J. B. McHugh, 3414 Springdale Ave., $23,768. Noted May 13.

O., Cincinnati — Comrs. Hamilton Co., 10,903 ft. 6 in. c.i. mains, etc., in Water Supply Line 20, Dist. 3 (Griffiin, Beechwood and Edgemont subdivision), from Metzel & O'Hearn, 1601 Madison Ave., Covington, Ky., $23,246, engrs. est. $27,605; also Sanitary Sewer 16, Dist. 1, 10,041 ft. 6- to 10-in. vitr. clay pipe, from Murdock Constr. Co., 4701 Main Ave., Norwood, $28,815, engrs. est. $31,644. Noted Apr. 15.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 9,700 ft. 8- to 12-in. c.i. mains in Impvt. 451, from A. Marra Co., Engineers Bldg., $51,101.

Contracts Awarded

Mass., Falmouth—Water Comrs., 30,014 ft. 4- to 12-in. pipe and fittings, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J.; valves and hydrants, to Eddy Valve Co., Waterford, N. Y. Noted May 13.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Polk and 54th Aves., Orville, Pansy Sts., etc., here, to Grippo Contg. Co., 85 Webster Ave., $5,685. Noted Apr. 29.

N. J., Union Beach (br. Keyport)—Water Com. Boro Council, A. Cowling clk. Union Fire Co., Union Ave., approximately 16 mi. 4- to 12-in. pipe line, to W. G. Fritz, 258 Valley Rd., West Orange, $162,000. Noted Apr. 29.

Pa., Duquesne—Rein.-con. reservoir, 145 ft. diam., 18 ft. high, to Williamson Constr. Co., Turtle Creek. Engrs. est. $100,000. Noted May 13.

La., Agurs—For 23,350 ft. 6 and 8 in. c.i. and 10,200 ft. 2½ in. wrought iron pipe, to Janes Contg. Co., Southwest Life Bldg., Dallas, Tex., $34,133. Noted Apr. 29.

Ill., Evergreen—Village Clerk, c.i. mains in various streets, to R. S. Spalding, 608 South Dearborn St., Chicago, $164,870. Noted Apr. 29.

Wis., Kenosha—C. M. Osborn, city mgr., two 36 in. hydraulic valves, to Michigan Valve Co., 3631 Parkinson St., Detroit, Mich., $1,332; c.i. pipe and specials at filtration plant, to Lynchburg Fdry. Co., 122 South Michigan Ave., Chicago, Ill., $4,083; city to lay same, by day labor. Noted Apr. 22.

Minn., Jordan—See "Sewers."

Que., St. Lambert—Filter equipment, to F. Hankin & Co., Ltd., 20 St. Nicholas Ave., Montreal, $16,795. Noted Apr. 1.

Sewers

Proposed Work

W. Va., Charlestown—City Council soon takes bids storm and sanitary sewers in various streets. $70,000. J. P. Blundon, Keyser, engr. Noted Mar. 18.

W. Va., Huntington — Plans 59,815 ft. sanitary and 27,280 ft. storm sewers, in Robey Hollow Drainage Area. $300,000. Barstow & McCurdy, Ohio Bldg., Akron, O., engrs. Noted Feb. 11.

W. Va., Parkersburg — Making surveys sewers in City Park Section. $100,000. J. V. Dunbar, Parkersburg, engr.

Ga., Waycross — Election soon $100,000 bonds, sewerage system. Engineer not selected.

Miss., Meridian — Making preliminary plans extending present outfall sewer from outlet at Sowashee Creek, etc. $100,000. J. C. Watts, City Hall, engr.

O., Marion—Bd. Control soon takes bids 25,000 ft. sanitary trunk sewer in East Church, Jefferson and Kenton Aves. $200,000. W. Cathers, Marion, engr.

Mich., Wyandotte — Making plans concrete and brick main sewers and vitr. or concrete lateral sewers in various streets. $1,300,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Mundelein—Takes bids about June 1, tile sewers and sewage treatment plant, $140,000; and sanitary sewers in various streets, $150,000. Kelker, DeLeuw & Co., 111 West Washington St., Chicago, engrs.

Wis., Janesville—H. Traxler, city mgr., making plans 20,387 ft. 12- to 48-in. vitr. or concrete storm sewers in 22 streets; and 8 in. vitr. or concrete sanitary sewers in 8 streets. To exceed $25,000. C. V. Kerch, City Hall, engr.

Mo., St. Louis—See "Unclassified."

Mo., St. Louis—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ark., Jonesboro — Making preliminary plans storm sewer to drain districts north and west of here and connecting with Big Creek Ditch. $200,000. Cobb & Lee, Jonesboro, engrs.

Tex., Panhandle—Making plans sewers in various streets. $150,000. F. E. Devlin Eng. Co., Bitting Bldg., Wichita, Kan., engrs.

Calif., Lodi—Plans to purchase 1,920 lin. ft. 8 in., and 250 lin.ft. 6 in. single strength SGV pipe. J. F. Blakely, city clk.

Calif., Orange—See "Waterworks."

Calif., Santa Monica—Made plans pumping station for outfall sewer, consisting two 4,000 g.p.m. centrifugal pumps, motor driven, etc. $35,000 or more. H. B. Carter, city engr.

Ont., Niagara Falls — Stamford Twp. plans trunk and lateral sewers South End. $140,000. M. F. Ker, Niagara Falls, engr.

Ont., Riverside—Plans 10,000 ft. 8 in., etc., vitr. tile sanitary sewers in various streets. $51,000. A. Smith, Riverside, engr.

Ont., Sudbury—Council plans sewer extensions in North Eastern Dist. $40,000. W. J. Ross, City Hall, engr.

Ont., Toronto — East York Twp. plans 1,030 ft. 12 and 15 in. vitr. tile sewer in Coleridge Ave., $12,240, 2,490 ft. 12- to 18-in. in Virginia Ave., and 190 ft. 18 in. in Gledhill Ave., $33,794. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—York Twp. plans 5,000 ft. 8 in., etc., vitr. tile service sewers in Atlas, Avon, Lorraine and Northland Aves. $26,423. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — York Twp. soon takes bids 4,130 ft. 8 in., etc., lateral service sewers in Bicknell Ave., Juliet Crescent and Gilpin Ave. $43,045. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Mass., West Roxbury (Boston P. O.)—May 25, by Dept. Pub. Wks., Boston, sewerage works in Ashland St. and Outlook Rd., here. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn — May 26, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, storm sewers in Avenue R; storm and sanitary sewers in Ocean Parkway; storm sewers in East 7th, East 8th and East 9th Sts.; sanitary sewers in East 8th, 9th and 17th Sts.; sewers in 12th Ave., Linwood, 64th and 72nd Sts.

N. Y., Lyndonville — June 8, by Bd. Village Trustees, sewerage system and disposal works. C. C. Hopkins, 349 Cutler Bldg., Rochester, engr.; adv. E. N.-R. May 20.

Pa., Phila.—May 26, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, branch sewers in 74th Ave. N., Limekiln Pike, Bensalem and Gowan Aves., Beldon, Shisler, Courtland, Tudor, National, Yocum and St. Vincent Sts. G. H. Biles, dir.

D. C., Wash.—May 24, by Dist. Comrs., District Bldg., 20,970 lin.ft. 10 to 9 ft. diam. sewer.

La., Lake Charles — See "Streets and Roads."

O., Cleveland—May 26, by Comrs. Cuyahoga Co., sewer in Parker Dr., Impvt. 314. To exceed $25,000. F. Williams, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—May 24, by City, sewers and watermains in Middleton Rd. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engr.

Ill., Niles Center—May 25, by Village, 10- to 33-in. vitr. tile sewers, etc. in various streets. $220,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Mich., Detroit — June 2, by Dept. Pub. Wks., Ashland Ave. Sewer Sects. 3, 4 and 5 Seven Mile Rd. Arm Sect. 5, Ashland Ave. Sewer Bedford Rd. Sewer Sect. 4 Schoenherr Rd. Arm Ashland Ave. Sewer, all brick and concrete cylinder in tunnel or open cut. J. W. Reid, comr.; adv. E. N.-R. May 20.

Wis., Milwaukee — May 27, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., sewage booster station, Fairmount Ave. $20,000.

N. D., Crosby — June 7, by City Clerk, 15,482 ft. 8- to 12-in. vitr. tile sewers etc. in Sewer Impvt. Dist. 2. $30,000. Dakota Eng. & Constr. Co., Valley City, engrs.

Kan., Onago — May 25, by City Clerk, sanitary sewers and disposal plant. $40,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs. Noted May 13.

Kan., Watkins—May 28, by City Clerk, sanitary sewers and sewage disposal

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INDEPENDENT Reinforced Concrete Sewer Pipe have ample strength to withstand unusual load conditions—plus a permanency that defies all the ordinary causes of deterioration. This strength and durability are derived from:

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2. FORMS. These are of steel, accurately shaped, and constructed to eliminate distortion and leakage while forms are being filled.

3. MATERIALS. Careful selection and constant inspection of all cement, sand, pebbles or crushed rock to insure the use of none but highest grade materials.

4. MIXING and PLACING. All concrete used is batch-mixed to a uniform color and proper consistency, and promptly placed in the forms, being well spaded to assure maximum density and thorough bonding with reinforcing metal.

5. CURING. Forms are not removed until concrete has attained sufficient strength to prevent injury. New pipe are kept wet to assure proper curing. All pipe are thoroughly cured before being used

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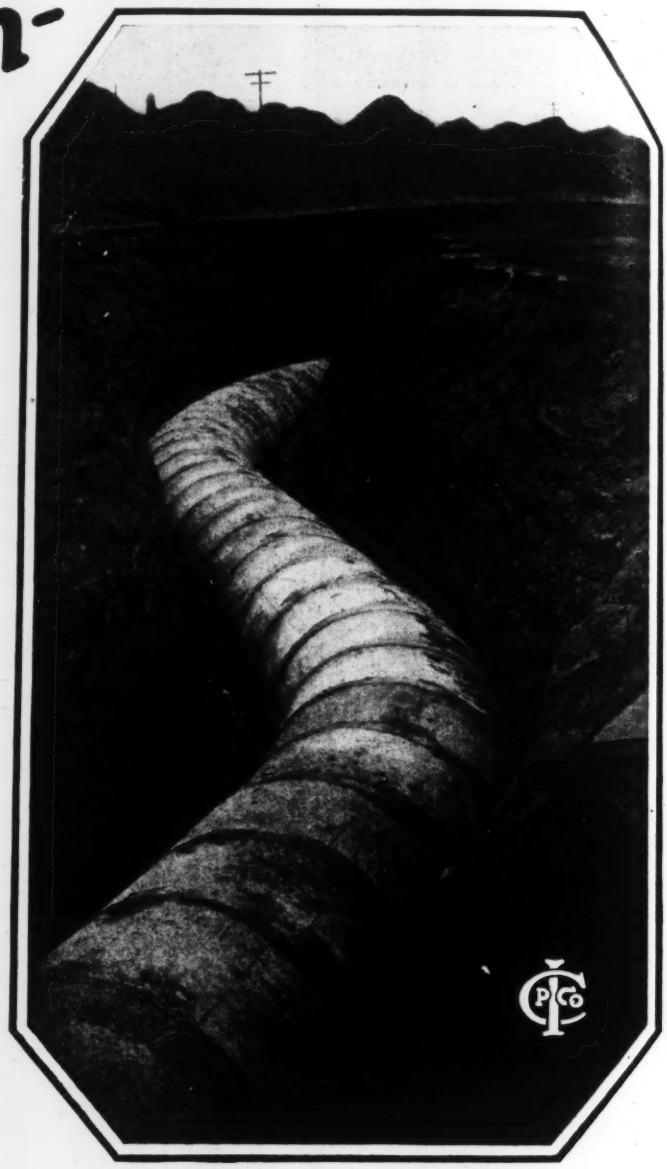

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202 North West St. Indianapolis, Ind.

INDEPENDENT
Reinforced Concrete Pipe

Sewers (Continued)

plant. $43,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Calif., Los Angeles — June 1, by Bd. Supervs. Los Angeles Co., 55,669 ft. 8- to 15-in. vitr. clay sewer in Alfred, Almant Sts., etc., in Sherman. $157,415.

Bids Received

Mass., Boston—Sewerage works in Stony Brook, Sect. 10, Rosindale Branch, from J. J. Coughlin & Sons, Inc., 27 School St., $106,003.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, May 12, from R. Ivino, 678 Glenmore Ave., sewer in Junius St. $552, Elmore Pl. $294, Varick St. $309, and 9th St. $246; from Manmill Constr. Co., 2035 Douglas St., in Avenue M $268, New Lots Ave. $229 and Colonial Rd. $277; from S. Guerriero, Avenue L $3,244; and from A. W. Matarazzo, 1163 61st St., Avenue L $1,746. Noted May 6.

N. Y., New York — See "Streets and Roads."

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, May 12, main sewers in Green Lane, from Mazzola & Marano, 739 South 7th St., $39,935; Parker Ave., from J. and R. Lombardi, Lincoln Bldg., $247,-418; Crawford and Langdon Sts., from A. Jaffalo & L. Mark, 139 South 50th St., $102,596 and $134,387 respectively.

O., Cleveland—Bd. Comrs. Cuyahoga Co., May 5, 3,800 ft. 8- to 48-in. sewer in Lander Rd., Impvt. 310, from Salem & George, Erie Bldg., segmental block $34,148 brick $35,-182 and rein.-con. $32,302.

Minn., St. Paul — A. E. Eggert, city purch. agt., May 11, Trout Brook Sewer, Contr. A, from Northern States Contg. Co., 312 Endicott Bldg., $473,700; and Highland Park Sewerage System, from O'Neil & Preston, 608 Exchange Bank Bldg., $142,-000. Noted May 6.

Contracts Awarded

Conn., South Norwalk—For 18 in. waste pipe line, to Fisher & Crowley, Bristol. Engrs. est. $90,000.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to A. Musumeci, 277 East 146th St., sewers in Needham Ave. $2,073, Hering Ave. $4,437, and Mulford Ave. $6,292; to F. Spadaro, 2913 Creston Ave., Underhill Ave. $4,001, and East 177th St. $18,981; to J. V. Timoney Constr., 320 East 201st St., Morris Ave., $15,336; and P. Tedesco, Westchester Ave., Laconia Ave., $3,530. Grand total $55,650. This corrects report in May 13 issue under "Streets and Roads."

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, branch sewers in Almond St., to A. Mattia, 310 North 65th St. $20,866; Bingham St., to A. DiSandro & Son, 3906 North 5th St. $51,667; Edgemont and Salmon Sts., to J. Moss, 1652 Wakeling St., $1,246 and $1,096 respectively; Glenlock and Tyson Sts., to J. Hastie, 5720 Virginia Rd., $5,039 and $19,401 respectively; Homer St., to J. J. McHugh, 1617 Race St., $10,-304; Jackson and Marsden Sts., to A. Casciato, 1602 Wharton St., $5,341 and $6,209 respectively; N St., to Perma Eng. Co., 362 North 65th St., $18,159; Philellena St., to A. Frunzi, 513 High St., $13,278; and Large St., to P. and E. J. Ellis, 4th and Wyoming Sts., $12,770. Grand total $201,473. Noted Apr. 15.

O., Cincinnati—See "Waterworks."

O., Cleveland — Intercepting sewer at southerly sewage treatment works, to Graham & Henderson, 212 Engineers Bldg., $220,695.

Mich., Detroit—For 460 ft. 15- to 18-in. vitr. crock sewers, etc. in Lateral 4537, to A. Rossi, 5307 Pennsylvania Ave., $1,489; 1,310 ft. 18- to 24-in. in Lateral 4568, to Montg. & Eng. Co., Transportation Bldg., $10,467; 709 ft. 12- to 18-in. in Lateral 4586, to Central Contg. & Eng. Co., 17576 Wyoming Ave., $4,275; 2,027 ft. 12- to 20-in. in Lateral 4587, to W. Blanck Co., 40 Seven Mile Rd. E, $6,435; 2,916 ft. 12- to 24-in. in Lateral 4588, to Cadillac Constr. Co., Transportation Bldg., $13,900; and 3,936 ft. 12- to 24-in. in Lateral 4589, to Detroit Drainage Constr. Co., Meyers Ave., $13,668. Grand total $50,234.

Mich., Ecorse (Detroit P. O.)—For 5,000 ft. 20 in. to 2 ft. 8 in. x 4 ft. brick, concrete and tile sewer in High St., to T. D. Nolan, Plymouth Rd. and Pere Marquette Hy. tracks, Detroit, $51,000. Noted May 6.

Mich., Lincoln Park (mail Detroit)—To J. A. Mercier, 616 Hammond Bldg., Detroit, Le Blanc Drain in Twps. of Ecorse, Taylor, and city of Lincoln Park, Sect. A, 11,680 ft. $721,150, Sect. B $4,706 ft. $213,-370, Sect. C $4,233 ft. $234,724, Sect. D 3,477 ft. 63,386, Sect. E 5,828 ft. 106,804, and Sect. F 1,656 ft. $27,096, all foregoing monolithic rein.-con., 844 ft. Sect. G $12,960, Sect. H 878 ft. $11,892, 2,915 ft. Sect. I $52,013, Sect. J 274 ft. $5,032, Sect. K 1,380 ft. $19,820, Sect. L 2,838 ft. $57,660, Sect. M 1,655 ft. $30,190, all rein.-con., also inlet 6,100, and 120 catchbasins $17,760. Grand total $1,579,967. Noted Mar. 25.

Mich., Pontiac—Northwest Trunk Sanitary Sewer, 1,063 ft. 36 in. concrete and brick pipe, to E. M. Gillet, 673 25th St., Milwaukee, Wis., $40,775. Noted Apr. 22.

Mich., Royal Oak (br. Detroit)—Linwood Realty Co., 12,000 lin.ft. 12- to 18-in. vitr. clay sewers in Twelve Mile Rd. and Campbell Ave., Red Run Golf sub-division, to Pontiac Drainage Co., Pontiac. Engrs. est. $60,000. Noted Apr. 29.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, tile sewers, etc., in Philips Ave. from East 89th to East 9th Sts., Clyde and Yates Aves. from East 89th to East 90th Sts., to C. Roberts, 6921 Laflin St.; Clyde Ave. from East 86th to East 90th Sts., Chapel Ave. from East 85th to East 90th St., Paxton, Luella and Crandon Aves. from East 87th to East 90th Sts., East 86th St. from Chapel to Merril Aves., East 87th St. from Jeffery to Chapel Aves., and East 88th St. from point 110 ft. to Crandon Ave., to L. Scully, 4451 Nevada St., West 68th St. from South Crawford to South Keeler Aves., South Komensky Ave. from West 68th to West 70th Sts., South Karlow Ave. from West 68th to West 70th Sts., South Kedvale Ave. from West 68th to West 69th Sts., and South Keeler Ave. from West 68th to West 69th Sts., to A. Scully, 5467 Komerlin St.; alley from East 92nd St. to Yates Ave., Barry Ave. from point 231 ft. to North Natoma Ave., West 113th Pl. from Laflin St. to South Ashland Ave., Lington Ave. from point 231 ft. to North Natoma Ave., West 99th St. from Lafayette to Wentworth Aves., West 105th St. from South Tahlman Ave. to South Rockwell Sts., Sunnyside Ave. from North Long to North Lockwood Aves., Loomis St. from West 108th to West 109th Sts., West 106th St. from Drew to Wood Sts., to M. Di Vito; North Menard Ave. from Belmont to Wellington Aves., to D. Cuzzone, 711 Farquer St.; North Mozart St. from Addison St. to Waveland Ave., Grace St. from North Branch Chicago River to North California Ave. and North California Ave. from Irving Park Blvd. to Addison St., to Fosco Bros.; North Newcastle Ave. from Nieman to Albion Aves., Imlay St. and Hayes Ave. from North New Castle to Newark Aves., and Newark Ave. from Hayes Ave. to north city limits, to A. Banieri; South Claremont Ave. from West 62nd to West 63rd Sts., South Oak Alley from West 62nd to West 63rd Sts., South Oakley Ave. from West 113th to West 116th Pls., and West 115th St. from South Irving to South Western Aves., to M. Murphy, 5854 South Michigan Ave.; South Green St. from West 102nd to West 103rd Sts., and Kentucky Ave. from Elston to North Kilbourne Aves., to Mancini & Ventrella; North Marmora Ave. from Wellington to Belmont Aves., Myrtle Ave. from Oriole to North Harlem Aves., North Major, North Park Side, Mango and North Menard Aves. from Diversey to Schubert Aves., to F. Peyrot, 4207 Marmora Ave.; Perry Ave. from West 99th to West 100th Sts. and South Wood St. from West 79th to West 83rd Sts., to A. Santucci, 1523 North Long Ave.; Foster Ave. from Milwaukee to Elston Aves., North Long Ave. from Foster to Lieb Aves., Lind Ave. and Liano Ave. from Lieb to Rogers Aves., North Lockwood Ave. from Foster to Rogers Aves., Lieb Ave. from Long to Elston Aves. and North Latrobe Ave. from Foster to Rogers Aves., to J. Tiritilli, 732 South Ashland Ave.; South Ashland Ave. from West 110th to West 112th Sts., and Eggleston Ave. from West 107th to West 109th Sts., to Walsh & Metzger, 6828 South Chicago Ave.; South Claremont Ave. from West 62nd to West 63rd Sts., Kentucky Ave. from Elston to North Kilbourn Aves., North Kotner Ave. from Bryn Mawr to Rogers Aves., West 64th Pl. from South Menard to South Central Aves., South Oakley Ave. from West 113th to West 114th Sts. and West 115th St. from Irving to South Western Aves., to J. J. Renn, 6649 North Ashland Ave.; South Wood St. from West 79th to West 83rd Sts., to D. Hardin; North Major, North Parkside, Mango and Menard Aves. from Diversey to Schubert Aves., North Kenneth, North Kilbourn and Wellington Aves. from Diversey to Belmont Aves., to Washington Plumbing & Heating Co., 461 North Halsted St. Noted Apr. 22.

Ill., Chicago — Bd. Trustees North Side Sewage Treatment Wks., Div. Q, 910 South Michigan Ave., main building and grit chamber superstructure and building structures north of Howard St. and west of Chicago & Northwestern R.R. tracks at Niles Center, to J. Griffith & Son Co., 112 West Adams St. $1,538,422. Noted Apr. 29.

Ill., Chicago — H. E. Wallace, clk. Sanitary Dist. of Chicago, Broadview-Bellwood Intercepting Sewer, concrete, in Roosevelt Rd. from Des Plains River to Pusheck Rd. and in Pusheck Rd. from Roosevelt Rd. to Harrison St., to Dowdle Bros., Chicago, approximately $428,000. Noted Apr. 29.

Wis., Antigo—G. C. Palmiter, city clk., 20 x 35 ft. concrete and steel sewage disposal plant, to Manitowoc Constr. Co., Manitowoc, $53,007. Engrs. est. $50,000. Noted May 6.

Ia., Oelwein—Sewage disposal plant, to J. A. Dunkel Constr. Co., Webster City, $66,380. Noted Apr. 22.

Minn., Jordan — J. C. Busch, city clk., sewerage and water systems, to Dearborn Constr. Co., 180 West 1st St., Waterloo, Ia., $44,000. Noted Apr. 22.

Minn., St. Paul—A. E. Eggert, city purch. agt., 4,000 ft. 12- to 42-in. sewer, etc., in Summit Ave. between Creton-Dewey Aves., to O'Neil & Preston, 608 Exch. Bank Bldg., $37,000. Noted Apr. 29.

Wash., Seattle—Bd. Pub. Wks., sewers in 43rd Ave. South, et al., to McHugh & Coluccio, 517 3rd Ave. N., $42,270. Engrs. est. $44,389. Noted May 13.

Calif., Los Angeles—Sewers in Beverly Blvd. between Highland and La Brea Aves., and Spaulding Ave. between Willoughby and Melrose Aves., to L. Miletich, 610 West 54th St., $53,726 and $22,573 respectively; Milton Ave. between Melrose Ave. and 3rd St., to M. N. Guho, 5316 8th Ave., $73,325; also Arlington Ave. between Rodeo Rd. and Vernon Ave., to J. M. Housley, 1928 Claudina Ave., $28,515. Grand total $178,139.

Calif., Redwood City—Bay Shore Sanitary Dist., sewers in Rio Verde, Acacia Sts., etc., to W. J. Tobin, 527 Santa Ray Ave., Oakland, $28,975.

Calif., Victorville — Victorville Sanitary Dist., 14,734 ft. 8- to 14-in. lateral sewers in various streets, to F. W. Secombe, San Bernardino, $26,900. Noted Apr. 22.

Ont., Walkerville — See "Streets and Roads."

B. C., Point Grey—For 1½ mi. 8- to 21-in. sewer in Alma Rd. from 5th to 16th Aves., to H. G. Cutt, R.R. 1, Eburne, $27,517.

Waste Disposal

Bids Desired

N. Y., New Dorp (Sta. Staten Island)—May 25, by J. A. Lynch, pres. Richmond Boro, Boro Hall, building, and runway, furnaces, chimney, etc., for garbage incinerator, here. Noted Oct. 29.

N. J., Highlands—May 24, by Mayor and Boro Council, Boro Hall, 2 unit, 30 ton capacity, incinerator plant. U. G. Johnson, boro clk.; adv. E. N.-R. May 20.

Bridges

Proposed Work

Mass., Barnstable — Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, plans new, probably concrete and steel, bridge over Centerville River, here. $25,-000. W. F. Williams, comr.

Miss., Merrill — George County Bridge Co., c/o J. C. Dorsett, Lucedale, making preliminary plans rein.-con., steel and piling toll bridge over Pascagoula River. $40,000.

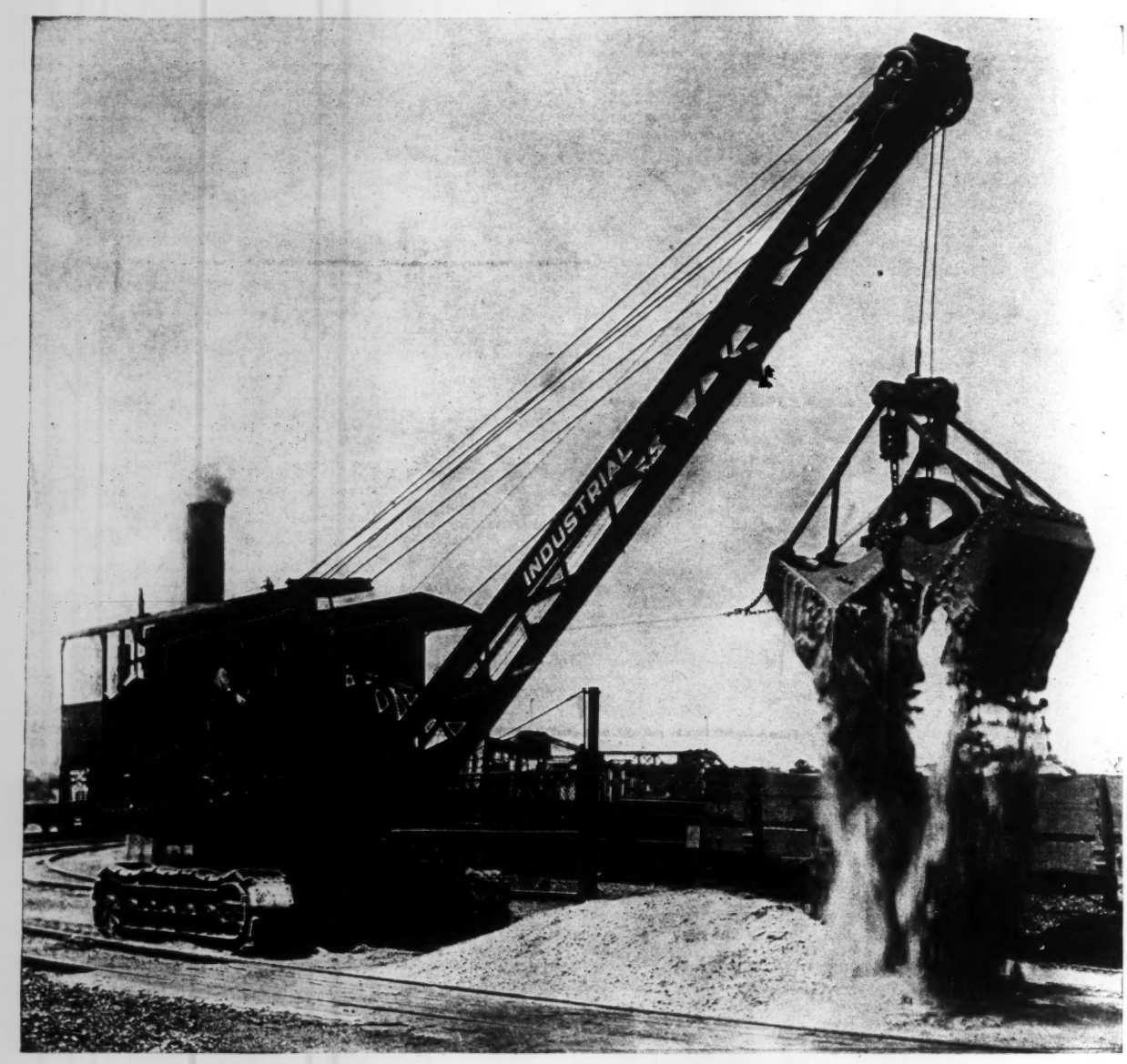
Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 11, ninety-one 17 ft. span treated timber and one 60 ft. span steel truss bridge over Obion River, Obion Co. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Elizabethton—Making plans concrete bridge over Doe River, on Elk Ave. $40,000. McCrary Eng. Co, .Citizens Southern Bldg., Atlanta, Ga., engrs. Noted May 13.

Tenn., Gainesboro—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 11, steel span bridge on timber approaches over Cumberland River, near here, Jackson Co. $200,000. C. N. Bass, highway comr.

Ky., Spottsville—Louisville, Henderson & St. Louis R.R. Co., Louisville, W. S. Moore, ch. engr., making plans replacing steel draw span bridge over Green River with new design for superstructure, and raising present piers and abutments, etc. $50,000.

Mo., Kansas City—Kansas City Terminal Ry. Co., J. V. Hanna, ch. engr., Union Sta., making preliminary plans rein.-con. and steel viaduct over railroad tracks, on Oak St. $350,000.



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TO PROPEL, slew, hoist the load and lower the boom at the same time is absolutely necessary on many occasions. What can your operator do when his clutches operate several different functions instead of just one? He has a problem that cannot be solved. His efficiency of operation is lowered considerably each time such a situation arises. There are many combinations of functions that must be executed at once and without independence of functions this is impossible.

Each function on the INDUSTRIAL type DC is controlled by separate friction clutches, making any combination of motions not only possible but very easy. It is essential for effective operation and before purchasing any make of machine, insist upon independence of functions.

This feature illustrates another reason why INDUSTRIALS excel. There are many more—watch.

Other products: Locomotive cranes, 5 to 200 tons capacity, freight cranes, pile drivers, clamshell buckets.

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Bridges (Continued)

Mo., Louisiana—Local Syndicate, c/o C. G. Buffum Lumber Co., plans rein.-con. and steel bridge over Mississippi River.

Mo., St. Louis—City, c/o Bd. Pub. Serv., making preliminary plans 3 rein.-con. bridges over River Des Peres, 1 on Mackland Ave., 1 on Sublette Ave. and other on Sulphur Ave. $50,000. L. R. Bowen, 301 City Hall, engr.

Tex., Barstow—See "Streets and Roads."

Tex., Carthage—Panola Co. making plans four 18 ft. concrete deck girder, and one 22 ft. concrete deck girder spans, also six 29 ft rein.-con. bents across Gulf, Colorado & Santa Fe R.R. tracks, on Highway 8. $26,000. D. E. Martin, Carthage, co. engr.

Tex., Cold Springs — See "Streets and Roads."

Tex., San Antonio—Making plans 70 ft. rein.-con. and steel bridge, 25 ft. over San Antonio River, at Villita St. $30,000. I. Ewig, city engr.

Tex., Sanderson — See "Streets and Roads."

Okla., Chandler—State Hy. Dept., Oklahoma City, making plans 98 ft. rein.-con. viaduct over Frisco R.R. Tracks, Lincoln Co., here. $50,000. J. M. Page, highway engr.

Okla., Lima—State Hy. Dept., Oklahoma City, made preliminary plans steel truss bridge on concrete piers over Wewoka Creek, on State Road 3, here, Seminole Co. $25,000. J. M. Page, highway engr.

Calif., Sunol — Alameda Co. (Oakland) making plans steel and concrete bridge over Arroyo de Valle Creek near, here. To exceed $25,000. G. A. Posey, Oakland, co. surv.

Que., Gracefield — Dept. Pub. Wks., Quebec, soon takes bids concrete and steel bridge over Gatineau River, here. $35,000. I. E. Vallee, 67 St. Cyrille St., Quebec, engr.

Bids Desired

Massachusetts — June 1, by Dept. Pub. Wks., Boston, four 1 span 3,867 ft. concrete and bituminous macadam bridges and approaches in Westminster and Winchendon. $25,000 or more. W. F. Williams, comr.

Mass., Cambridge (Boston P. O.)—Harvard University taking bids brick and steel, etc., memorial foot bridge over Charles River connecting Harvard University and Harvard Business School (Brighton), $200,000. McKim, Meade & White, 101 Park Ave., New York City, archts. J. R. Rablin, Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, engr. Noted Mar. 25.

Pennsylvania—May 21, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., 17th and Filbert Sts., Phila., 4 span bridge, Plan 80281; steel super-structure complete for crane runway, Plan 28846; 1 turntable super-structure, Plan 17420; 5 signal cantilevers, 2 track, Plan 17110; structural details for bridges, Plan 6363; also seven 4 track and three 5 track signal bridges, Plan 17100.

Pennsylvania—May 27, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., 17th and Filbert Sts., Phila., superstructure of bridge complete, Plan 8275; twenty 4 track signal bridges, Plan 17100; steel work for 15 span second track, Plan 10220; steel reinforcing, Plan 80295; metal work and rivets, Plan 80271.

West Virginia—See "Streets and Roads."

Wisconsin—See "Streets and Roads."

Wis., Milwaukee—May 22, by Park Bd., F. Schumaker, secy., concrete, stone work, carpentry and tile work, etc. for Mason St. Bridge. $400,000. Clas, Shepherd & Clas, 445 Milwaukee St., engrs.

Missouri—May 28, by State Hy. Dept., Jefferson City, two 5 ft., two 8 ft., four 12 ft., two 14 ft., and two 16 ft. rein.-con. slab, also one 35 ft. and one 40 ft. rein.-con. deck girder spans in Cape Girardeau Co.; two 8 ft. rein.-con. slab, four 30 ft., and one 45 ft. rein.-con. deck girder, also 140 ft. steel truss spans in Jefferson Co.; one 60 ft. steel truss span, etc., St. Francois Co.; and repairing River D. D. Bridge, Buchanan Co. R. H. Piepmeier, ch. engr.

Texas—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Idaho, Coeur d'Alene—May 27, by Comrs. Pub. Wks., at Idaho Hotel, 128 ft. steel span and 575 ft. pile trestle over Spokane River, on Federal Aid Project 101-A, Kootenai Co. P. E. Oxley, Lewiston, dist. engr.

Bids Received

Maine — State Hy. Dept., Augusta, May 12, substructure steel truss double deck highway bridge over Kennebec River in Bath and Woolwich, from Foundation Co., 120 Liberty St., New York City, $983,940; superstructure, from McClintic-Marshall Co., 68 Devonshire St., Boston, Mass., $1,465,000. Noted Apr. 29.

New Hampshire — See "Streets and Roads."

North Carolina — State Hy. Comn., Raleigh, May 4, rein.-con. bridges, etc. on Project 669, Rowan Co., and Project 637, Iredell Co., from J. L. Brinkley, Thomasville, $39,415 and $52,679 respectively; on Project 398, Robeson Co., from Kiker & Yount, Reidsville, $41,348; on Project 303, Bladen Co., from J. S. Bowers, Whiteville, $30,113; Project 165, Northampton Co., from W. D. Dean, Commercial Bank Bldg., Raleigh, $31,651. Noted Apr. 29.

Louisiana — State Hy. Dept., Baton Rouge, constructing French Fork Bridge, on Jena-Jonesville Highway, Federal Aid Project 166-C, Catahoula Parish, from Meyer & Greenwald, Monroe, $45,210, and Intracoastal Canal Bridge on Houma-Montegut Highway, State Project 532-A, Terrebonne Parish, from Austin Bridge Co., Baton Rouge, graveling State Project 521, New Roads-St. Francisville Highway, Point Coupee Parish, and Burnside-Whitehall Highway, State Project 536-A, St. James Parish, from Young & DeBriton, Zachary, $10,652 and $5,000 respectively. Noted Apr. 15 and 22.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, May 12, **(e. e. means engineers estimate)**, from W. H. Grammer & Son, Evansville, bridges over Chicago & Eastern Illinois R.R. tracks, F. A. 6-C-25, Putnam Co., $29,549 e. e. $36,494, Bull Creek, F. A. 98-A-2, $6,635 e. e. $6,833, and Magenica Creek, F. A. 101-B-2, Little Magenica Creek, F. A. 101-B-3 and F. A. 101-B-29, $21,206 e. e. $24,670, all foregoing in Huntington Co., from W. H. Shons, Freeport, Flat Rock Creek, F. A. 81-A-1, Bartholomew Co., $60,442 e. e. $70,638, bridge over Blue River, F. A. 81-B-1, Johnson Co., $60,609 e. e. $67,143; from Hamilton & Lancaster, Greencastle, bridge over Pennsylvania R.R. tracks, F. A. 6-B-16, Clay Co., $11,859 e. e. $13,207; from Ryan & Ryan, Washington, bridge over Chicago & Rock Island R.R. tracks, F. A. 78-D-1, Knox Co., $27,937 e. e. $31,333; from G. T. Miller Constr. Co., Lebanon, bridge over Mill Creek, F. A. 85-D-1, Fulton Co., $16,150 e. e. $17,257; from W. Marshall & Co., Lafayette, bridge over Mud Creek, F. A. 94-B-1 and Coal Creek, F. A. 94-B-2, Fountain Co., $35,652 e. e. $43,326; from McGreevey Bros., Logansport, bridge over Tippecanoe River, S-27-D-474 and Lones Ditch, S-27-D-476, Kosciusko Co., $17,933 e. e. $18,784; from H. V. Hay, Boonville, bridge over Drainage Ditch, S-28-A-462 and Lick Creek, S-28-B-436, Pike Co., $7,499 e. e. $10,083; from Vincennes Bridge Co., Vincennes, bridge over Fleenor Ditch, S-28-D-427, and Hannas Branch, S-28-D-429, Daviess Co., $11,140 e. e. $12,885; from Clements & Veal, Williamsburg, bridge over branch, S-31-E-265, Putnam Co., $3,237 e. e. $4,069; from Elkhart Bridge & Iron Co., Elkhart, bridge over Flat Rock Creek, F. A. 81-A-1, Bartholomew Co., and Blue River, F. A. 81-B-1, Johnson Co., $115,433 e. e. $137,776; from Hay & Campbell, Boonville, bridge over Dredge Ditch, F. A. 78-B-1, and Viechs Dredge, F. A. 78-B-2, Knox Co., $11,660 e. e. $14,638. Noted May 6.

Mich., Detroit — Dept. Pub. Wks., City Hall, May 7, 70 ft. steel encased in concrete bridge on concrete abutments over Michigan Central Ry. tracks, at West Lafayette Ave., from W. H. Mueller, 2210 Park Ave., $57,106. Noted Apr. 29.

California—State Hy. Comn., Sacramento, rein.-con. bridges and culverts between San Ardo and Bradley, Monterey Co., from Granite Constr. Co., Watsonville, $74,882, engrs: est. $75,165; also timber bridges, Imperial Co., from H. M. Ledbetter, Arcada Station, Box 1760, Los Angeles, $17,771 alternate $17,354, engrs. est., $18,898 and $16,003.

Calif., Los Angeles—Constructing bridge over Los Angeles River across tracks of Atchison, Topeka & Santa Fe R.R. and Union Pacific Ry., from Lange & Bergstrom, Washington Bldg., $405,495.

Contracts Awarded

Rhode Island—Office State Bd. Pub. Rds., State House, Providence, State Bridge 143, to Curtis, Quillen & Co., 350 Westminster St., Providence, $3,500; Bridges 204 and 205, to F. F. McCarthy & Co., Newton, Mass., $6,737; Bridges 206 and 207, to Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, Mass., $16,839; and Bridge 213, to Kelleher Bros. Turners Falls, Mass., $3,424. Grand total $30,500. Noted May 6.

N. J., Jamesburg — Middlesex Co. (New Brunswick), concrete bridge over Manalapan Creek, here, to Brann & Stuart, Commercial Trust Bldg., Phila., Pa., $29,848. Noted Sept. 24.

O., Dayton — Montgomery Co., Court House, substructure, 240 ft. span steel through truss highway bridge over Twin Creek, on State Road in German Twp., F. M. Hall, 55 Bank St., $27,500; superstructure to Brookville Bridge Co., Brookville, $42,284. Noted Apr. 15.

Fla., Tampa — City Comn., single leaf overhead counter weight type of of Strauss trunnion bascule bridge over Hillsborough River, at Fortune St., to United Gas Eng Co., Phila., Pa., $401,343. Noted Feb. 25.

Ind., Indianapolis—Marion Co., constructing Bridge 816, two 25 ft. spans, 24 ft. wide, concrete girder, and repairing old Bridge 798, to H. L. Findley, Noblesville, $8,074 and $822 respectively; retaining wall Bridge 823, and repairing piers and abutments Bridge 824, to W. P. Rigdon, Danville, $3,295; Bridge 814, 30 ft. span concrete arch, and addition to abutments and piers Bridge 822 to 2 M. L. Oberholtzer, 58 South Chester St., Indianapolis, $18,390 and $1,560 respectively. Grand total $32,141. Noted Mar. 25.

Tex., Baird—See "Streets and Roads."

Oregon—State Hy. Dept., Salem, bridge over Snake River between Baker Co., Ore., and Adams Co., Idaho, to Portland Bridge Co., Yeon Bldg., Portland, $66,360; over Depoe Bay, to Lindstrom & Feigenson, Worcester Bldg., Portland, $54,917; and over Rocky Creek, to G. F. Reeves, 407 Columbia St., Portland, $47,515, both in Lincoln Co. Grand total $168,792.

Ontario — Dept. Pub. Hys., Ottawa, widening Carp Bridge, concrete substructure, Contr. 1313, to Ontario Bridge Co., Crown Office Bldg., Toronto; steel superstructure, Contr. 1315, to Dominion Bridge Co., Reford Bldg., Toronto.. Engrs. est. $30,000.

Dams

Proposed Work

Mo., Springfield—Ozarks Hydro-Electric Co. making surveys and plans dam 70 ft. high on Crooked Creek, about 1 mile from Yelleville. O. C. Lavasseur, Springfield, engr.

Calif., Santa Barbara — See "Waterworks."

Bids Desired

N. J., Pompton Lakes — Twin Lakes Realty Co. taking bids 200 ft. concrete dam, 10 ft. high, address G. C. Howman, 202 Wanaque Ave.

Wis., Stevens Point — Wisconsin River Paper & Pulp Co., 201 West Wisconsin Ave., Neenah, taking bids replacing with concrete, approximately 800 ft. wooden dam, 22 ft. high over Wisconsin River, 3 mi. south of here. Orbison & Orbison, College Ave., Appleton, engrs.

Contracts Awarded

Wis., Trego—See "Buildings Industrial."

Railways

Proposed Work

Ohio—Cleveland Ry. Co., Hanna Bldg., plans relaying steel car tracks on Euclid Ave. from East 21st to 40th Sts., $119,385; Euclid Ave. from East 123rd to city limits, $25,228; Kinsman Rd. on C. & P. R.R. Bridge, $7,585; Lorain Ave. from West 73rd St. to car house, $120,335; Superior Ave. from west roadway to West 6th St., $39,709, and Woodland Ave. from East 9th to East 55th Sts., $203,900.

Illinois—St. Louis Connecting R.R. Co. (subsidiary of Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., A. C. Shand, ch. engr.) plans 9.2 mi. railroad in Madison Co. from point near Collinsville to point 2 mi. west of St. Jacob.

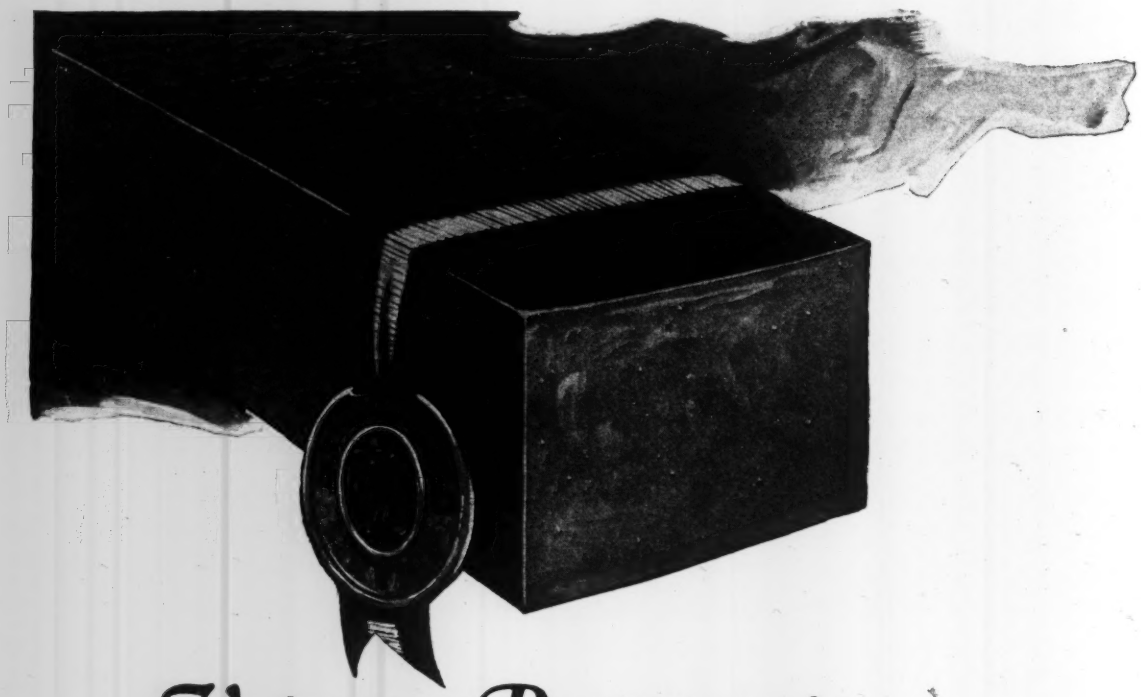
Minnesota—Minnesota Western Ry., E. D. Luce, vice-pres. and genl. mgr., 2823 6th Ave., Minneapolis, soon takes bids grading 15 to 20 mi. between Minneapolis and Lake Lillian. $25,000. E. L. Higgins, ch. engr.

Kansas and Texas—Chicago, Rock Island & Pacific R.R. Co., LaSalle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., plans railroad from Liberal, Kan. to Amarillo, Tex.

Nebraska—Union Pacific R.R. Co., 1416 Dodge St., Omaha, R. B. Robinson, engr. M. W., making plans 6 mi. and 10 mi. Lyman-Gering Branch, Scotts Bluff Co. $236,619 and $272,553 respectively.

Bids Desired

Pennsylvania—See "Bridges."



Veteran Pavements Are Brick Pavements

Do you know of any other pavement at a comparable cost which can hope to equal the records already established by these vitrified brick pavements? The figure in the parentheses at right gives the years of service already rendered.

Jacksonville, Fla.	(32)
Joliet, Ill.	(32)
Springfield, Ill.	(37)
Davenport, Iowa	(34)
Winona, Minn.	(34)
Greenville, Miss.	(27)
Meridian, Miss.	(28)
Lincoln, Neb.	(35)
Tonawanda, N. Y.	(35)
Bucyrus, Ohio	(31)
Cleveland, Ohio	(36)
Columbus, Ohio	(38)
Steubenville, Ohio	(38)
Clearfield, Pa.	(35)
Williamsport, Pa.	(33)
Lynchburg, Va.	(34)
New Cumberland, W. Va.	(42)

IN the column at the left are the endurance records of vitrified brick pavements in the service of seventeen widely scattered communities. And remember that the pavements listed *are still in satisfactory use* despite their age.

Compare these lengths of service with the five or ten year performances of so-called "cheaper" pavements and decide for yourself which, on a business basis, represents the better buy.

What is the oldest hard pavement in your vicinity, other than brick? How does it match in length of service rendered with the examples of brick endurance listed at the left?

Advocate

VITRIFIED Brick

THE PAVEMENT THAT OUTLASTS THE BONDS

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Miami Beach—E. J. Reed, has been granted permit by Secretary of War, constructing bulkheads, dredging and filling in Biscayne Bay southerly of mouth of Miami River for purpose of creating an island, proposed dredging will create an anchorage basin with approximately 140 acre area.

Mo., St. Louis — Bd. Pub. Serv., 208 City Hall, making preliminary plans deepening river channel in Sect. J of River Des Peres Project between St. James Court and Loughborough, approximateely 500,000 cu.yd. excav. $275,000. W. W. Horner, 300 City Hall, engr.

Calif., Santa Barbara — Voted $200,000 bonds, breakwater. Total $400,000. M. Fleischmann, major, appropriates $200,000 toward cost. Noted Feb. 11.

Ont., Westminster — F. W. Farncombe, engr., Dominion Savings Bldg., London, takes bids about June 15, 7 mi. open work and dredging, here, for Twp. Council. $40,000.

Cuba—Dept. Pub. Wks., Havana, plans completing Roque Canal. $700,000. M. A. Corroalles, state ch. engr.

Bids Desired

N. Y., New York—June 2, by State Hospital Comn., Capitol, Albany, excavation for New York State Psychiatric Institution, here. S. W. Jones, state archt; adv. E. N.-R. May 20. Noted May 13 under

Ill., Springfield — June 8, by Dept. Purchases & Constr., State House, Contr. 4-D, incl. fabricating, furnishing and erecting miter lock gates and anchorages and culvert valves on Illinois Waterway at Lockport and Marseilles Locks, 2,536,000 lb. structural steel, 126,000 lb. steel castings, 46,000 lb. steel forgings and 59,000 lb. other metal work, for Illinois Div. Waterways.

Wis., Milwaukee—See "Buildings—Commercial."

Ia., Waukon—May 25, by Bd. Supervs. Allamakee Co., improving Village Creek D. D. 3, incl. 4.4 mi. new channel 6- to 10-ft. deep, 8 ft. bottom width, 77,231 cu.yd. excav., and 0.06 mi. Aldrich Creek lateral, 3,788 cu.yd. excav., etc. C. H. Young, ch. engr. of Central States Eng. Co., Muscatine, engr.

Mo., St. Louis — June 15, by Bd. Pub. Serv., 208 City Hall, excavation of open well caissons and constructing foundation piers and enclosure for new Civil Courts Building. $420,000. Noted Oct. 8 under

Calif., La Mesa—May 31, by Directors La Mesa Lemon Grove & Spring Valley Irrigation Dist., 3,550 lin.ft. 24 in. riveted steel or lock bar pipe, line, etc. T. H. King, 121 South Spring St., engr. Noted Apr. 29.

Bids Received

Calif., Grass Valley — Nevada Irrigation Dist., May 1, **(e. e. means engrs. est.)** constructing conduit from end of project known as Sect. 10 to Lake Spaulding, and Bowman-Spaulding conduit, 12,700 lin.ft. metal flume, etc., from Jasper-Stacy Co., 216 Pine St., San Francisco, $320,938 and $98,684 respectively, e.e. $355,000 and $80,200 respectively; Clear Creek tunnel and portion Bowman-Spaulding Conduit, from A. D. Kern, 290 East Salmon St., Portland, Ore., $104,965 e.e. $125,500; power line, from Youdall Constr. Co., Matson Bldg., San Francisco, $11,816 e. e. $18,000; and furnishing metal flume, gates and hoists, from California Corrugated Culvert Co., 5th and Parker Sts., Berkeley, $78,229 with alternate bid $89,939. Noted Apr. 22.

Contracts Awarded

N. Y., Albany—Albany Port Dist. Comn., 100 State St., dredging Hudson River, here, to Great Lakes Dredge & Dock Co., 27 Lumber District, $402,000. Noted Apr. 29.

La., Alexandria—Bd. Comrs. Red River, Atchafalaya & Bayou Boef Levee Dist., Commercial Bank Bldg., 185,000 cu.yd. enlargement and turnover earthwork in Avoyelles Parish, to Douglas, Buchanan & Crow, Shreveport, at $0.1495 per cu.yd.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., dredging 115,000 cu.yd. rivers and canals, etc., to Great Lakes Dredge & Dock Co., 216 West Water St., at $0.425 per cu.yd. Noted May 6.

Mo., Valley Park—See "Unclassified."

Streets and Roads

Proposed Work

Mass., Boston—Plans laying out and reconstructing Dunkale, Fuller and Providence Sts. $30,000. J. H. Sullivan, comr. Dept. Pub. Wks.

Mass., Brighton (Boston P. O.) — Dept. Pub. Wks., Boston, plans widening Fanuel St., here. $25,000 or more. J. H. Sullivan, comr.

Mass., Cambridge (Boston P. O.)—Plans widening Bway. and Main St. at Kendall Sq. $325,000 appropriated. Engineer not selected.

N. Y., Albany—Common Council plans repaving Van Woert St., and improving Russell-Blessing Rd. and Partridge St.

N. J., Milltown — Middlesex Co. (New Brunswick) plans sheet asphalt paving 1 mi. Main St., here. W. F. Buchanan, Perth Amboy, engr.

N. J., Sayreville — Middlesex Co. (New Brunswick) plans sheet asphalt paving 1 mi. Main St., here. W. F. Buchanan, Perth Amboy, engr.

Pa., Ebensburg — Comrs. Cambria Co. takes bids about June 18, constructing 1.5 mi. Stoney Creek Twp. and Liberty Ave., also Riverside Bridge, 120 ft. long, concrete, over Stoney Creek, near Scalp Level. $176,000. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Phillipsburg—Election soon $35,000 bonds, paving, etc., Front St. on the Lakes-To Sea Highway from Beaver St. to Pennsylvania R.R. tracks, 38 ft. Total $100,000.

Pa., Pittsburgh—Making plans grading, paving, etc., Evergreen Rd., $34,000; also widening and paving, etc., Sprague St. between Oberlin and Spencer Sts. $42,000. City Dept. of Pub. Wks., City County Bldg., engrs.

W. Va., Morgantown—Clay Dist. voted $525,000 bonds, improving roads in Morgan Co. A. J. Baritell, Morgantown, engr. Noted Jan. 28.

W. Va., Parkersburg — Union Co. voted $112,000 bonds improving roads. W. Sharon, Parkersburg, engr. Noted Apr. 22.

W. Va., Williamson — Voted $335,000 bonds, improving streets and repairing water plant. D. M. Good, Williamson, engr. Noted Apr. 8.

North Carolina—State Hy. Dept., Raleigh, plans clearing grubbing, grading, etc. 12 mi. Project 8470, McDowell Co. $85,000. C. M. Upham, Raleigh, engr.

N. C., Greensboro—Plans asphalt on concrete paving 10 streets. E. B. Jeffreys, mayor.

N. C., High Point—Plans paving various streets. $200,000.

N. C., Rutherfordton—Plans paving various streets. $50,000.

Fla., Ft. Lauderdale — Plans Warrenite bitulithic on existing macadam paving portion of Andrews Ave., $241,700; curbing, guttering and concrete surfacing, etc., Lakeview Ave. from Lauderdale Blvd. to Dixie Highway $48,981, Lauderdale Blvd. from South St. to Evans Ave. $256,476, West Park Blvd. from Placid Parkway to Lauderdale Blvd. $30,665, and Colee Ave. and Boulevard, from South St. to Andrews Ave. $53,246. G. E. Turner, city clk.

Fla., Quincy—Gadsden Co., election May 21, $260,000 bonds, constructing State Road 1.

Fla., Sanford—Plans sheet asphalt on 6 in. rock paving, French Ave. from 9th to Hughey Sts., 24 ft., $45,781; also Park Ave. from 3rd to 9th Sts., $40,008, Park Ave. from Fulton to 2nd Sts., and Park Ave. from 2nd to 3rd Sts., $28,553, each 50 ft.

Fla., Tampa—Plans vitr. brick or rock on shell paving Fribley St. from North Blvd. to Gingon Ave., $37,719; Ohio Ave. from North Blvd. to Ridge Ave., $40,800; portions of Massachusetts, Euclid and Taliaferro Aves., $29,931; Woodlawn Ave. from North Blvd. to River Blvd., $52,024; Peninsular Ave. from North Blvd. to Ridge Ave., $49,597; Virginia Ave., from North to River Blvds., $39,020; Garcia Ave. from Arch St. to Garcia Ave. Bridge, $37,740; Indiana Ave. from North to River Blvds., $43,992; and Jackson St. from Jefferson to Drew Sts., $32,988. R. D. Martin, City Hall, engr.

Miss., Natchez—Made plans, curbing and 2 in. asphalt on 4 in. concrete paving Silver, Wall, Rankin, St. Charles, Washington, Canal, Harrison, Commerce, High, Madison and Woodlawn Sts. $60,000. M. L. Culley, 1st Natl. Bank Bldg., Jackson, and P. Klyce, City Hall, engrs.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 11, grading and 2 rein.-con. bridges over 20 ft. span, on 10 mi. Huntingdon-McKenzie Rd., Carroll Co.; grading, etc., 8 mi. McMinnville-Tarlton Rd., Warren Co.; and concrete paving 10 mi. Cades-Weakley Co. line Rd., Gibson Co. C. N. Bass, highway comr.

Tenn., Carthage—Smith Co. voted $150,000 bonds improving 11 mi. Carthage-Putnam Co. line Rd. Noted May 13.

Tenn., Erin — Houston Co. voted $150,000 bonds improving various roads. Noted May 6.

Tenn., Huntingdon — State Dept. Highways & Pub. Wks., Nashville, takes bids about June 11, improving 10 mi. Huntingdon-McKenzie Rd., Carroll Co., for Carroll Co. and Hy. Dept. C. N. Bass, highway comr.

Tenn., Nashville—Making surveys and estimates asphalt on macadam surfacing Berry Hill, Jefferson and Wilburn Sts., Jo Johnston, Caldwell, 5th, 6th, 12th, 18th, 21st, Stainback and Lischey Aves. W. W. Southgate, City Hall, engr. Noted Dec. 17.

Ky., Elkton—Todd Co. election June 8, $300,000 bonds, improving various roads.

Ky., Murray — Plans grading, curbing, guttering and sheet asphalt paving 28,000 sq.yd. 3rd, 4th, 5th and Olive Sts. $91,000. V. V. Long & Con., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Ohio—Comrs. Marion Co. (Marion) and Crawford Co. (Bucyrus) soon take bids improving Marion-Crawford Co. Rd. from Marion Bucyrus Rd. to Mud Pike. $40,000. C. R. Leavens, Marion, engr.

O., Akron—W. F. Peters, dir. Pub. Serv. soon takes bids grading, curbing, sidewalks, and vitr. brick paving 8,950 sq.yd. Glendora Ave., $67,500; also 4,525 sq.yd. Diagonal Rd. 1, $25,800. E. A. Kemmler, Municipal Bldg., engr.

O., Canton—Stark Co. takes bids in summer, improving 3 mi. Massillon-Canal Fulton Rd. $40,000. A. M. Wise, Canton, engr.

O., Marion—Comrs. Marion Co. soon take bids widening 4.17 mi. Marion-Delaware Rd., $111,000; also bituminous macadam or concrete paving, etc. 2 mi. Marion-Mt. Gilead Rd., $70,000, both 16 ft.

O., New Philadelphia—Comrs. Tuscarawas Co. soon take bids improving 4 mi. New Philadelphia-Carrollton Rd., 16 ft. $106,457.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 4,550 sq. yd. Georgia Ave. $18,660, 2,060 sq.yd. Steel Ave. $8,420, 3,600 sq.yd. Western Ave. $14,710, 4,450 sq.yd. Grixdale Ave. $18,260, and 2,430 sq.yd. Abrey Ave. $9,940, all foregoing 28 ft. wide; 4,050 sq.yd. Marlowe Ave., 36 ft., $16,590; 3,520 sq.yd. Alcoy Ave. $14,400, 7,730 sq.yd. Woodlawn Ave. $31,680, 9,250 sq.yd. Greeley Ave. $37,970, and 2,510 sq.yd. Steel Ave. $10,050, all foregoing 30 ft. wide; 5,250 sq.yd. Buena Vista Ave. $21,460, 5,250 sq.yd. Glendale Ave. $21,460, and 5,250 sq.yd. Tyler Ave. $21,460, all 30 and 36 ft. wide; and 4,770 sq. yd. Waverly Ave., 28 and 32 ft., $18,620. P. A. Fellows, City Hall, city engr.

Mich., Muskegon—Plans paving and resurfacing 3.6 mi. Lake Shore Dr. $120,000. H. J. Lewis, City Hall, engr.

Ill., East St. Louis — Takes bids about June 1, concrete paving, grading, etc., St. Clair Ave., V. and C. R.R. tracks to 33rd St. $97,300. W. McK. Brown, City Hall, engr. Noted Feb. 25.

Ill., Rockford — Plans grading, curbing and rein.-con. paving 10 blocks 8th, Vernon and Yonge Sts., 30 ft. $54,850. B. C. Harvey, City Hall, engr.

Kan., Valley Falls—Soon takes bids 3 in. brick, 7 in. plain concrete or 6 in. vibrated concrete paving 6,500 sq.yd. various streets. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Mo., Joplin — Plans asphaltic concrete paving 14,000 sq.yd. various streets. S. P. Ashcraft, Joplin, engr.

Mo., St. Louis — Plans widening, etc., Grand Blvd. $60,000.

Mo., St. Louis—Plans grading, and paving alleys in City Blocks 1817, 2593, 2634, 2781-N, 5158, 5356, 5655 and 5866. $38,700 for concrete, and $64,670 brick. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Making preliminary plans asphalt resurfacing, etc., Merchant St. between 3rd St. and Bway., $3,290; Leffingwell St. between Lucas and Franklin Sts., $5,765; 21st St. between Washington and Cass Sts., $17,250; 25th St. between Cass St. and St. Louis Ave., $21,250; and Lawrence St. between Shaw and McRee Sts., $3,740. J. Slater, street comr.

Mo., Springfield—Election soon bonds to exceed $25,000, curbing and concrete paving various streets. S. R. Fisher, 749 East Madison St., engr.

Mo., St. Louis—See "Unclassified."

Arkansas—State Hy. Dept., Little Rock, soon takes bids grading, gravel surfacing,

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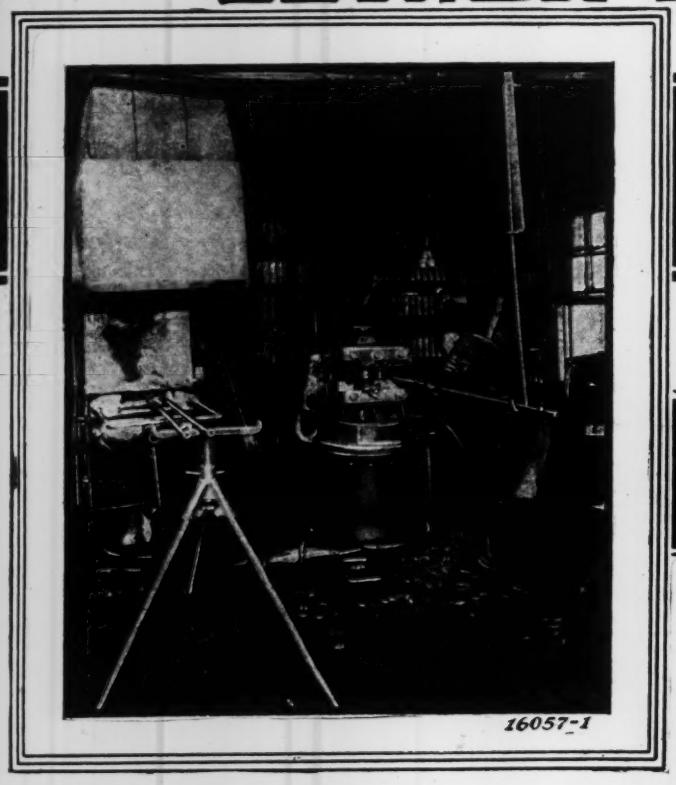

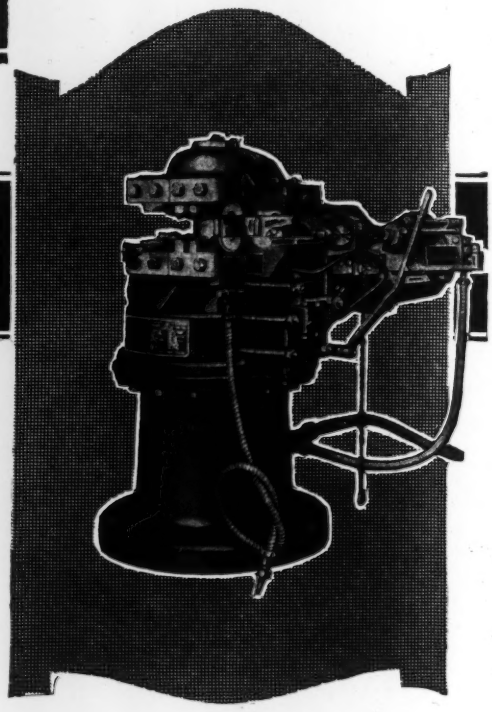

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Streets and Roads (Continued)

etc., 12 mi. Tuckerman-Swifton Dist. from Tuckerman to Alicia. $145,000. R. C. Limerick, highway engr.

Ark., England—Soon takes bids grading, curbing and concrete or Warrenite bitulithic paving 8 blocks various streets. $40,000. Dickinson & Watkins, 609 Boyle Bldg., Little Rock, engrs.

Ark., Batesville—Takes bids in summer, grading, curbing and Warrenite paving 18 blocks streets in Paving Dist. 5. $75,000. W. R. Heagler & Sons, Paragould, engrs. Noted Apr. 8.

Tex., Barstow—Ward Co. soon takes bids grading, bridging and caliche paving 4.596 mi. Highway 1, Federal Aid Project 391-B. $148,000. R. E. Booker, Barstow, engr. Noted Feb. 4.

Tex., Cold Springs—Making plans grading, bridging and gravel surfacing 5.87 mi. Highway 35. $130,000. J. R. Spiller, Cold Springs, engr.

Tex., Sanderson—Terrell Co. takes bids after May 20, grading, bridging and gravel surfacing 7.42 mi. Highway 3, Federal Aid Project 324-D, 18 ft. $68,700. J. Stovall, Sanderson, engr.

Okla., Cushing—Plans grading and concrete paving 12,310 sq.yd. Oak, Spruce and Cedar Sts. $37,710. C. A. Deardorff, Cushing, engr.

Okla., Harrah—Making preliminary plans grading and vertical fibre brick paving 6,200 sq.yd. various streets. $27,000. C. E. Hamer, mayor. Engineer not selected.

Okla., Mounds — Making preliminary plans improving 6 blocks Main St., 40 ft. To exceed $25,000. D. W. Johnson, mayor. Engineer not announced.

Okla., Ponca City — Plans grading and paving 4,800 sq.yd. North 8th St. $25,000. E. A. Jones, Ponca City, engr. Noted Dec. 31.

Okla., Prague—Plans grading and paving 8 blocks Main St. $80,000. H. W. Hartman, mayor. Engineer not selected.

Okla., Oklahoma City — Plans concrete widening 5,440 sq.yd. Robinson St. $25,000. B. M. Hart, City Hall, engr.

Calif., Los Angeles — Los Angeles Co. made plans improving portion of Inglewood Ave., Co. Impvt. 371, 38,177 cu.yd. excav., 428,487 sq.ft. 2 in. on 3 in. Willite surfacing and 371,479 sq.ft. 5 in. disintegrated granite sub-base, etc., $125,000 or more; Bellflower Dist., Co. Impvt. 441, 32,418 cu.yd. excav., 71,183 ft. curbing, 288,720 sq.ft. walks, 149,328 sq.ft. 6 in. guttering and 1,101,733 sq.ft. disintegrated granite, to exceed $150,000; Antelope Ave., Co. Impvt. 425, 90,362 sq.ft. 4 in. asphalt paving, 100,798 sq.ft. 2 in. Durite asphalt surfacing, etc., to exceed $40,000; Cameron Ave., Co. Impvt. 433, 21,788 cu.yd. excav., 23,570 sq.ft. curbing, 93,478 sq.ft. walks, 244,610 sq.ft. 4 in. disintegrated granite roadway, etc., to exceed $50,000; also Peck Rd., Co. Impvt. 468, 10,054 cu.yd. excav., 303,185 sq.ft. vibrolithic concrete paving, etc. to exceed $75,000. G. W. Jones, co. rd. comr.

Calif., Pasadena—Municipal Impvt. Dist. 9, plans election $500,000 bonds, grading, curbing, walks, street lighting system, fire and police signal systems, in various streets. B. Chamberlain, city clk.

Calif., Pasadena—Voted $1,150,000 bonds, extending and widening, grading, paving, etc., Holly Street Impvt. Dist. Noted May 13.

Que., Aylmer East—Secretary South Hull Twp. soon takes bids concrete and sheet asphalt paving 2 mi. Aylmer Rd. $30,000.

Que., Outremont—Soon take bids paving Bernard Ave. $51,000, sidewalks $15,500, paving various streets $51,000, and grading $37,000.

Que., Verdun — Soon takes bids tar macadam and asphalt paving several streets. $184,480. J. Wishart, city secy.

Ont., Toronto—Plans widening, etc., 1¼ mi. Bloor St. between Sherbourne St. and Spadina Ave., from 66 ft. to 86 ft. $1,500,000. R. C. Harris, City Hall, engr.

Ont., Toronto — City Council plans extending and widening Sherbourne St. from South Dr. northwards approximately 1 mi. to Mt. Pleasant Rd., 86 ft., incl. 900 ft., highway bridge, 76 ft. over Rosedale Ravine, and subway under Canadian Pacific Ry. tracks. $2,903,000. R. C. Harris, City Hall, engr.

B. C., Point Grey — Municipal Council takes bids about May 31, concrete paving 10th Ave. from Alma Rd. to Sasamat. $40,000. W. B. Greig, 5851 West Boulevard, engr.

Cuba — Dept. Pub. Wks., Havana, soon takes bids constructing 700 mi. Central Highway. $60,000,000. M. A. Coroalles, state ch. engr. Noted May 6.

Bids Desired

Me., Portland — May 22, by Dept. Pub. Wks., granite block paving 2,000 sq.yd., split and redressed granite block paving 1,100 sq.yd. and split and redressed granite paving 4,170 sq.yd. St. John and Cross Sts. W. O. Thompson, Dept. Pub. Wks., purch. agt.

Mass., Boston—May 24, by Dept. Pub. Wks., sheet asphalt or bitulithic paving in Wade St. Ward 21. $25,000. J. H. Sullivan, comr.

Massachusetts — May 25, by Dept. Pub. Wks., Boston, bituminous concrete paving 4,550 ft. highway in Sandwich; bituminous macadam paving 1,900 ft. in Medfield, and 1,500 ft. in Avon, all 18 ft. W. F. Williams, comr.

Massachusetts — June 1, by Dept. Pub. Wks., Boston, bituminous macadam paving 26,670 ft. highway in Goshen and Williamsburg and 26,033 ft. highway in Paxton and Worcester, both 18 ft. W. F. Williams, comr.

Rhode Island — May 26, by State Bd. Pub. Rds., Providence, rein.-con. paving 1.4 mi. road in East Providence, Contr. 2606, and 3 mi. in North Smithfield, Contr. 2610; bituminous macadam paving 1 mi. in Burrillville, Contr. 2608, 1.5 mi. in Lincoln, Contr. 2611, and 4.5 mi. in Portsmouth, Contr. 2609; adv. E. N.-R. May 20.

N. Y., Brooklyn—May 26, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and 6 in. asphalt on concrete paving Caton Pl., East 37th St. and Liberty Ave.; grading, curbing and flagging Avenue I and East 4th, East 5th, East 37th and East 48th Sts.; also restoring and repaving where and when directed asphalt paving various streets in boro damaged by subsurface work, etc.

N. Y., Brooklyn—May 27, by Park Bd., Arsenal Bldg., Central Park, New York City, F. D. Gallatin, pres., sheet asphalt and concrete paving various parkways and park roads, during 1926.

N. Y., New York—May 24, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block repaving Forsythe St. and 5th Ave.; widening and repaving Madison Ave.; also grading and asphalt block paving Stone St.

N. J., Dover—June 8, by Bd. Freeholders Ocean Co., Courthouse, Toms River, rein.-con. paving 25,680 sq.yd. Washington St., Sect. 2, here. J. M. Abbott, co. engr.; adv. E. N.-R. May 20.

N. J., Jersey City—See "Unclassified."

N. J., Lakewood—June 8, by Bd. Freeholders Ocean Co., Courthouse, Toms River, rein.-con. paving Central Ave. Sect. 5. J. M. Abbott, co. engr.; adv. E. N.-R. May 20.

N. J., Newton—June 1, by Sussex Co., concrete paving approximately 13,923 sq. yd. Ross Croner-Sussex Rd., Sect. 1-A, Frankford Twp. H. Snook, co. engr.; adv. E. N.-R. May 20.

Pennsylvania — June 3, by State Hy. Dept., Harrisburg, constructing approximately 32 mi., 13 projects in Allegheny, Beaver, Berks, Clearfield, Erie, Fayette, Jefferson, Mifflin, Northampton, Westmoreland and York Counties. W. H. Connell, eng. executive and acting secy. highways; adv. E. N.-R. May 20.

Pa., Greensburg—June 2, by W. A. Arter, contr. Westmoreland Co., 18 ft. rein.-con. repaving, etc. approximately 12,255 ft. Monessen-Pricedale Rd., Rostraver Twp.

Pa., Pittsburgh—May 26, by Controller Allegheny Co., rein.-con. paving, etc., 9,600 ft. Warrendale-Bayne Rd., $100,000; and concrete paving 11,259 ft. Duncan Ave. extension, $150,000, both 18 ft.

Pa., Uniontown—May 27, by E. Huston, controller Fayette Co., one course rein.-con. paving, etc., 19,950 ft. Adah-Ederborn Rd., and 1,750 ft. Sandy Hollow Rd.

Pa., Tyrone—May 26, by B. Carpenter, chn. highway comn., rein.-con. paving 22,800 sq.yd. West 15th and Columbia Ave., 20th St.

Delaware—June 9, by State Hy. Dept., Dover, grading and concrete paving, etc., 0.97 mi. Contr. 64, 3.55 mi. Contr. CN-29, and 3.27 mi. Contr. CS-48, constructing 400 ft. Kennett Pike Drainage, Contr. 66, and grading, etc., 0.4 mi. Contr. 67; adv. E. N.-R. May 20.

Maryland—June 1, by State Rds. Comn., macadam resurfacing 1.15 mi. Contr. F-93, Frederick Co., and 1.9 mi. Contr. Ce-57, Cecil Co.; concrete paving 1.88 mi. Contr. F-33, Frederick Co., 0.5 mi. Contr. Cr-37 Charles Co., 1.2 mi. Contr. K-30 Kent Co., and 2.2 mi. Contr. T-24 Talbot Co.; also graveling 2.9 mi. Contr. Sm-37, Charles Co. J. N. Mackall, chn.; adv. E. N.-R. May 20.

D. C., Wash.—May 25, by Dist. Comrs., District Bldg., 35,000 sq.yd. cement sidewalks on various streets.

Virginia—May 24, by State Hy. Comn., Richmond, improving roads on Projects S-145-G and K, S-395, S-420-B, F-440-A and S-441; and bridge on Project F-439; adv. E. N.-R. May 20.

West Virginia—June 1, by State Road Comn., Charleston, improving roads on Projects 48, 102, 2002, 2188, 3036, 3151-A, 3151-B and 3152, Boone Co., Project 3374 Lincoln Co., Projects 150-A and 3200 Logan Co., Project 139-C Mason Co., Project 3303-C Mingo Co., Projects 2180 and 3348 Wayne Co., Projects 3075-B and C Jackson Co., Project 3310 Marshall Co., Project 3078-B Pleasants Co., Project 3341 Barbour Co., Project 3186 Preston Co., Project 70-R Grant Co., and Project 1119, Mineral Co.; also bridges on Project 150-A Logan Co., Project 3362 Mason Co., Project 3326-B Putnam Co., Project 3363 Harrison Co., and Project 155 Marion Co. E. B. Carskadon, secy.; adv. E. N.-R. May 20.

South Carolina—May 27, at Office Colleton Co. Road Comn., Waterloo, sand clay surfacing, etc. 16,000 cu.yd. Project 4. Lee, Murray & Palmer, Walterboro, engrs.

Ala., Jasper—May 24, by E. W. Long, judge of probate, Walker Co., concrete surfacing 13,000 sq.yd. Oakman-Parrish Highway. P. S. Healey, Oakman, engr.

Miss., Amory—May 24, by Bd. Aldermen, curbing, guttering and rock asphalt paving 22,500 sq.yd. various streets. A. L. Dabney, Columbia Tower Bldg., Memphis, Tenn., archt. Noted Apr. 1.

Louisiana—June 15, by State Hy. Comn., Baton Rouge, graveling 11.72 mi. Oberlin-DeRidder Highway, Federal Aid Project 167-A, Allen Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

La., Cedar Grove — May 25, by C. D. Evans, engr., 414 Levy Bldg., Shreveport, rein.-con. paving 7 blocks Caddo Ave. from 59th to 66th Sts., for City. $50,000. Noted Apr. 22.

La., Lake Charles — June 12, by E. L. Gormah, comr. Streets & Parks, widening and paving Pithon Coulee, paving Bank St., and laying 2 mi. storm sewers. $300,000 bonds voted for same.

Tenn., Nashville — See "Contracts Awarded."

O., Cincinnati — May 28, by Comrs. Hamilton Co., oil surface treating 50 mi. various roads, 16 ft. $34,125. E. A. Gast, Courthouse, engr. Noted Apr. 15.

O., Hamilton—May 28, by Comrs. Butler Co., E. O. Roll, clk., grading and waterbound macadam paving, etc., 38,275 ft. Oxford-Collinsville Rd., also Huston and Depot Rds. $65,000.

O., Norwalk—May 24, by Comrs. Huron Co., grading and waterbound macadam paving approximately 3½ mi. Sect. "A" County Rd. 77, Greenwich Twp., and Sect. "A" Bucyrus Rd. 20, New Haven Twp., 16 ft. $67,000. A. S. Vail, co. aud. and clk.

Ind., Warsaw — June 8, by Comrs. Kosciusko Co., grading, graveling or macadamizing Ludlow County Unit Rd., Monroe Twp., $23,126, and Charles Sigler et al concrete road, Wayne Twp., $55,646. H. Breading, aud.

Michigan—May 27, by State Hy. Dept., at office Comrs. Clinton and Ionia Counties, at Jackson, graveling 6.563 mi. State A. D. 466. H. C. Fleming, Jackson, engr.

Mich., Ecorse — May 24, by I. Morris, village clk., curbing and concrete paving 44,000 sq.yd. West Jefferson Ave. $200,000. M. L. Brown & Son, 407 Capitol Bldg., Detroit, engrs.

Mich., Gobels—June 1, by Village, concrete paving 1.003 mi. S. T. L. 40-8, Sect. B, 20 ft. R. A. Beers, Kalamazoo, engr.

Mich., Harrison — June 9, by Clare Co., concrete paving 1.68 mi. T. L. 20-13, 20 ft. R. W. Roberts, Saginaw, engr.

Ill., Chicago—May 27, at office Bd. Local Impvts., Room 207, City Hall. 6 ft. concrete sidewalks on East 104th Pl., Avenue F, South Lincoln, Altgeld, Cortez, East 82nd, Homer, East 94th, West 98th, East 99th, East 110th, South Paulina, South Robey, South Richmond, West 72nd, West 77th, East 77th, East 78th, South State, Seneca, East 124th and West 59th Sts., Torrence, Forest Glen, Chappel, Colfax, Chauncey, South California, Euclid, South Francisco, North Kilpatrick, Laportie, North Laramie, North Luna, Leclare, Hale, North Latrobe, South Michigan, St. Paul, Wentworth, Cherry and North Harlem Aves. J. J. Sloan, pres.

Wisconsin—May 25, by State Hy. Dept., at Div. Office 9, Grant Co., Herald Bldg., Lancaster, crushed limestone surfacing, etc., 18,021 cu.yd. Federal Aid Project 415-A, Grant Co.; crushed gravel surfacing 1,413 cu.yd. State Project 9145, Richland Co.; also grading and bridging 2.19 mi. State Project 9191, Richland Co.; and improving State Project 10,229, Sta. 40-E plus 65 to Sta. 56 plus 26, Iowa Co., 13,868 cu.yd. earth, 400 cu.yd. loose and 100 cu.yd. solid rock excav., 4,060 cu.yd. ditching etc. J. T. Donaghey, Madison, ch. engr.

Wisconsin—May 26, by State Hy. Comn., at Office 8, Superior, improving Federal Aid Project 408-A, Polk Co., 231,520 cu.yd. earth, 9,918 cu.yd. loose and 1,380 cu.yd. solid rock excav., 6,500 cu.yd. stripping gravel pit, 25,820 cu.yd. loading, screening, and crushing gravel, 2,510 cu.yd. top soil-

Streets and Roads (Continued)

ing, etc.; top soiling, etc., 1,536 cu.yd. State Project Job 8289, and graveling, etc., 684 cu.yd. State Project 8278, both Ashland Co. J. T. Donaghey, Madison, ch. engr.

Wisconsin—May 28, by State Hy. Comn., at Div. Office 5, La Crosse, grading, bridging, crushed rock surfacing, etc., 14,123 cu.yd. State Aid Project 5878, Sect. 1, Vernon Co.; and 9,119 cu.yd. Sect. 2 same road. J. T. Donaghey, Madison, highway engr.

Wis., Milwaukee — May 22., Dept. Pub. Wks., asphalt repaving 13,200 sq.yd. and asphalt paving 9,325 sq.yd. East Water, Erie and North Water Sts.

Wis., Juneau — May 27, by Hy. Com. Dodge Co., concrete surfacing, etc., 34,073 sq.yd. State Trunk Highway 109, Job 1873, 18 ft., and 13,791 sq.yd. Job 1917; graveling, etc., 10,060 cu.yd. State Trunk Highway 60, Job 1892, 1,830 cu.yd. Job 1916, 7,500 cu.yd. South County Line Rd., etc., and 4,000 cu.yd. County Trunk B. E. T. Klug, highway comr.

Wis., Seymour — May 25, by B. G. Dean, city clk., grading, vibrolithic concrete paving, etc. 9,534 sq.yd. Main St.

Minn., Duluth—June 15, by P. G. Phillips, city comr., concrete paving, etc. 5,125 ft. Michigan St. between 2nd Ave. E. and 9th Ave. W. 33 ft. $94,808. J. Wilson, city engr.

Minn., Duluth—June 22, by P. G. Phillips, city comr., concrete paving, etc. 1,300 ft. 5th Ave. W. between Northern Pacific R.R. tracks and dock line, 38 ft. $36,679. J. Wilson, city engr. Noted Feb. 11.

Minn., St. Paul—May 24, by G. J. Ries, aud. Ramsey Co. grading, bridging and graveling, etc. 12,000 cu.yd. Capitol Highway, Project 26-51. $35,000. P. N. Coates, 900 Guardian Life Bldg., co. surv.

Neb., Omaha—June 2, by G. Berger, clk. Douglas Co., brick, bituminous concrete, sheet asphalt or concrete paving, etc., 42,-900 sq.yd. Federal Aid Project 187, and 11,160 sq.yd. Federal Aid Project 100. R. L. Cochran, Lincoln, highway engr.

N. D., Fargo—May 28, by A. R. Watkins, city aud., asphaltic concrete, vitr. brick, one course concrete or Warrenite bitulithic paving, etc. 5 blocks Paving Dist. 179, 13th St. North between 12th and 17th Aves. $25,000. R. T. Jacobson, city engr.

Missouri—May 28, by State Hy. Dept., Jefferson City, grading, 7 ft. graveling, 9 and 18 ft. concrete paving, etc., 32.71 mi. various roads in Cape Girardeau, Douglas, Dunklin, Jefferson, Lafayette, St. Francois and Wayne Counties. B. H. Piepmeier, ch. engr.

Mo., Clayton—May 25, by A. Kirk, city clk., improving Hanley Rd., approximately 17,500 sq.yd. bituminous macadam or asphalt paving, 9,300 cu.yd. grading, and 10,625 ft. curbing and guttering. $77,000. Keck Surveying Co., 721½ Chestnut St., St. Louis, engrs. Noted Feb. 11.

Mo., Kansas City — May 24, by L. E. Koehler, engr. Jackson Co., Court House, concrete or bituminous macadam paving, etc., 20,320 sq.yd. Leeds Rd. between Blue Ridge and Kansas City. To exceed $25,000.

Mo., St. Louis—See "Contracts Awarded."

Mo., St. Louis—Taking bids recut granite block paving, etc., 17,950 sq.yd. Cass Ave. $115,000; shallow granite block paving, etc., 18,530 sq.yd. Cass Ave. between Hogan and Glasgow Sts. $136,000, and 5,009 sq.yd. Arlington St. $15,680; also Warrenite bitulithic paving, etc., 18,000 sq.yd. West Floriessant Ave., $99,280. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—June 8, by Dept. Pub. Serv., 208 City Hall, rein.-con. paving, etc. Watson Rd. between Penrod St. and city limits $41,000, Loughborough St. between Gravois and Field Sts. $57,600, and 760 sq.yd. Bay Keokuk St. $4,150; asphalt paving, etc. 818 sq.yd. Lee Ave., $60,400; and grading 15,685 cu.yd. Grand St., $19,-400. W. W. Horner, 300 City Hall, engr.

Texas—May 25, by State Hy. Comn., Austin, H. Moseley, chn., grading, bridging and Bates type concrete paving with shell shoulders 5.003 mi. Highway 6, Federal Aid Project 466-G, 20 ft., Galveston Co. $225,-000. C. C. Washington, Galveston Co., engr.

Texas — May 25, by State Hy. Comn., Austin, H. Moseley, chn., grading, bridging, etc. ,11.492 mi. Highway 29, State Aid Project 652, 26 ft., Georgetown Co. $67,000. M. C. Welborn, Georgetown, resident engr.

Texas — May 25, by H. Moseley, chn. State Hy. Comn., Austin, grading, bridging, etc., 3.689 mi. Highway 23, State Aid Project 655-A, 26 ft., Eastland Co., $138,000; and 9.924 mi. Sect. B same road, $65,000. G. E. Franklin, Eastland, engr.

Texas — May 25, by State Hy. Comn., Auustin, H. Moseley, chn., grading and Bates type section of rein.-con. paving 13.8 mi. State Highway 3, Federal Aid Project 352, Unit 2, 18 ft., Liberty Co. $400,000. S. J. Treadway, Liberty, co. engr.

Tex., Galveston—May 20, by C. C. Washington, engr., Galveston, concrete paving, etc., 5.003 mi. Highway 6, Federal Aid Project 466-G, 18 ft., for Galveston Co. $266,000. Noted May 6.

Okla., Carnegie—May 25, by City Clerk, paving various streets. $70,000. Grant, Fulton & Letton, Magnolia Bldg., Oklahoma City, engrs. Noted May 13.

Nevada—May 26, by State Hy. Dept., Carson City, surfacing, etc., 7.57 mi. Sparks-Hafed Rd., Route 1, Sects. B-4 and B-2, Washoe Co. C. W. Borden, highway engr.

Arizona — May 28, by W. C. Lefebvre, state engr. Phoenix, grading, 2 in. asphaltic concrete on 4 in. bituminous, 2 in. on 4 in. bituminous, or 6 in. concrete paving, etc., 42,400 sq.yd. Federal Aid Project 82-A.

Calif., Martinez—June 7, by J. H. Wells, co. clk. Contra Costa Co., rock screening and oil surfacing 253,440 sq.ft. Tunnel Rd. R. R. Arnold, Martinez, co. surv.

Calif., San Diego—June 1, by Common Council, improving University Ave., 359,988 sq.ft. 5 in. concrete paving, 39,095 cu.yd. excav., 16,261 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Jose—June 7, by H. Pfister, clk. Santa Clara Co., either 6 in. concrete or 4½ in. asphaltic concrete paving 592,000 sq.ft. Mountain View and Alviso Rd. R. Chandler, San Jose, co. surv.

B. C., Trail—May 25, by City Council, rein.-con. paving, etc., 4,000 sq.yd. Bay and Riverside Aves. $32,000. S. S. McDiarmid, City Hall, engr.

Bids Received

New Hampshire—State Hy. Dept., Concord, May 11, asphalt paving 0.51 mi. highway in Hampton, from Winslow Cummings, Nasahua, $14,054, 0.91 mi. in Pembroke, from Robie Constr. Co., Manchester, $16,-603, and 0.7 mi. in Boscawan, from A. D. Bridges Co., Hazardville, Conn., $17,688; also gravel surfacing 0.64 mi. in Charlestown, from J. P. Ricci, Burlington, Vt., $19,179. Noted May 6.

New Hampshire—State Hy. Dept., Concord, May 11, gravel surfacing 0.94 mi. highway in Andover, from J. E. Ricci, Claremont, $22,272. Noted May 6.

Massachusetts—Dept. Pub. Wks., Boston, May 11, bituminous macadam paving 5,281 ft. highway in Rayham, from F. L. McNeil, Winthrop St., North Dighton, $30,-718, 3,300 ft. in Grafton, from T. Toomey, 60 Lake St., Webster, $14,450, and 18,548 ft. in Hingham and Weymouth, from Lane Constr. Co., 37 Colony St., Meriden, Conn., $252,787; also gravel surfacing 1,950 ft. in Medway, from A. D. Pasquale, Milford, $6,762. Noted May 6.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, bituminous macadam paving West Roxbury Parkway in Boston and Brookline, from T. J. McCue, North Beacon St., Watertown, $72,428.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Lorna Rd., from Ormac Co., 755 Boylston St., Boston, $23,997. Engrs. est. $25,000. Noted May 6.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., May 13, from C. D. Beckwith, Inc., 2875 Bway., sheet asphalt paving East 174th St. $84,968, Commonwealth Ave. $35,-970, and bituminous concrete paving East 180th St. $22,733; from Murray Home Corp., 412 Sound View Ave., grading, etc., Bolton Ave. $544, from I. F. Cavaluzzo, 1192 Sheridan Ave., Ellsworth Ave. $6,835, and from Carroll & Rice, 204 East 45th St., Spofford Ave. $4,717; from F. Gabrielle, 2750 Creston Ave., sewer, etc., in Yates Ave. $3,627, and from Fiorello & Koch, 1895 Belmont Ave., in Vouck Ave. $3,523. Noted May 6.

New York—A. W. Brandt, comr. Highways, Albany, May 7, **(e. e. means engineers estimate)** improving 5.4 mi. Repair Contr. 1504, Highway 398, County Line Highway, Monroe and Orleans Counties, from W. J. Gallagher, Medina. $167,356 e.e. $222,433; 3.8 mi. Highway 1727, Grove Corners-Hilton Highway, Monroe Co., from Stapell, Mumm & Beals Corp., Gardenville, $146,82[illegible] e.e. $191,533; 0.84 mi. Highway 5292 A, Truxton-DeRuyter Highway, Cortland Co., from G. D'Angelo, 84 Court St., Binghamton, $48,394 e.e. $63,883. Noted Apr. 22.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, May 12, grading, curbing and flagging Forbell and Pennsylvania Aves., from Grimm Contg. Co., 170 McKinley St. $1,746 and $4,564 respectively, Minna St. from A. M. Zapponi, 113 32nd St. $4,789, and East 7th St., from Castle Bros., Johnson Pl., $10,381; granite paving Eagle St. and Greenpoint Ave., from F. J. Gallagher, 490 Park Pl., $14,164 and $20,882 respectively; asphalt paving East 7th St. and Minna St., from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $15,798 and $6,242 respectively, Fulton St. from Highway Impvt. & Repair Co., 50 Church St., New York City, $10,547, Colonial Rd. and 50th St., from L. Turecamo Contg. Co., 8706 16th Ave., $6,[illegible] and $5,006 respectively; grading and asphalt repaving Eagle and Moultrie Sts. from Borough Asphalt Co., 1301 Metropolitan Ave. $5,534 and $8,087 respectively, Georgia and Pennsylvania Aves., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $8,509 and $10,307 respectively. Noted May 6.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, May 12, grading and paving Arthur Ave. from Richmond Ave. to Old Town Rd., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $29,639. Noted May 6.

New Jersey—State Hy. Comn., Trenton, May 10, grading and rein.-con. paving 42,-411 sq.yd. Route 9, Sect. 19, Perryville to Clinton, Hunterdon Co. from H. Shapiro Co., Rutherford, $234,380. Noted Apr. 22.

N. J., Woodbridge—Middlesex Co. (New Brunswick), paving 1½ mi. Woodbridge Ave. between Piscataway Corner and Bonhamtown, here, from Graham & McKeon, 264 Smith St., Perth Amboy, $55,224.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, one course rein.-con. paving, etc., 21,515 ft. R. 260-537, Blair Co., from Miller-Constr. Co., Spirits Bldg., Punxsutawney, $199,052, 15,662 ft. A. 3856, Dauphin Co., from York Eng. & Constr. Co., 31 West Market St., York, $97,893, 13,278 ft. A. 3754-3755, Allegheny Co., from D. W. Challis & Sons, Inc., 420 Centennial Ave., Sewickley, $133,763, 8,027 ft. R. 435-436, A. 3386, Jefferson Co., from J. Wiesmer & Son, 372 Chestnut St., St. Marys, $62,012, 8,608 ft. R. 80, A. 3934-4101, Mercer Co., from J. McCarthy Constr. Co., Kaukauna, Wis., $69,673, 13,200 ft. R. 12, A. 4001, Susquehanna Co., from R. Haycock, 20 South 15th St., Phila., $99,745, 11,369 ft. A. 3667-3984, Westmoreland Co., from Cooper Constr. Co., Inc., Clymer, $137,906, 3,370 ft. R. 106, A. 3964, Tioga Co., from D. L. Dennis Co., Galeton, $28,781, 44,168 ft. R. 115, A. 3797-3624-3625, Beaver Co., and 8,243 ft. A. 3441-3670, Bucks Co., from R. L. Bonham Co., Inc., 26 South Laurel St., Bridgeton, N. J., $351,908 and $87,487 respectively, 20,011 ft. R. 213, A. 3936-4100, Merced Co., and 15,385 ft. A. 3935, Mercer Co., from Jamieson & Knapp Co., Fredonia, $133,477 and $87,499 respectively, 34,097 ft. Sect. 1, A. 3842, Berks Co., from D. L. Risser, 713 Walnut St., Lebanon, $254,254, 22,809 ft. R. 278, A. 3831, Beaver Co., from R. F. Hallam & Son, Fairmont, W. Va., $158,032, 27,241 ft. R. 174, Sect. 1, Susquehanna Co., from W. D. Fote, 130 South 4th St., Olean, N. Y., $297,406, and 15,580 ft. R. 50, A. 3680, Somerset Co., from Tri-State Eng. Co., 39 Liberty Trust Bldg., Cumberland, Md., $160,088; also broken stone surfacing 25,000 ft. A. 3770, Luzerne Co., from D. C. Reitz Constr. Co., 620 Market St., Sunbury, $122,111. Noted Apr. 15.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, 216 City Hall, May 12, grading, curbing, paving, etc. Washington Ave., 24th, 25th, Manton, Oakford and all adjacent streets, etc. Contr. 210, from G. F. Dobbins, 1020 South 47th St., $289,950.

Maryland—State Rds. Comn., Baltimore, May 11, concrete paving 1 mi. Contr. Q-37, Queen Annes Co., from J. K. Flick, Sudlersville $16,025, 1 mi. Contr. C1-57 Carroll Co., from Development & Constr. Co., Amer. Bldg., Baltimore $22,146, 1 mi. Contr. F-91, Frederick Co., from L. R. Waesche, Thurmont $17,388, 1.38 mi. Contr. B-73, Baltimore Co., from E. C. Valentine, Rocky Ridge $26,018, and 0.5 mi. Contr. D-42, Dorchester Co., from A. Farmer, St. Michaels $8,850; also graveling 2 mi. Contr. SM-35, St. Marys Co., from Southern Maryland Constr. Co., 12 East Lexington St., Baltimore, $16,652. Noted Apr. 29.

Md., Baltimore — Bd. Awards, grading, curbing and sheet asphalt paving 5,665 sq. yd. streets in Contr. 336, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $28,896; and concrete paving footways as listed in Footway Contr. 93, from P. Averza, 104 North Highland Ave., $41,-031. Noted May 13.

Md., Baltimore — Comrs. Baltimore Co. May 11, concrete paving 2.9 mi. Group 7 from H. T. Campbell & Sons, Towson, $82,-387. Noted May 13.

North Carolina—State Hy. Comn., Raleigh, May 4, from Zeigler Bros., Greensboro, grading, concrete or asphaltic paving, etc., 9.04 mi. Project 1280, Edgecombe Co. $237,335, 10.18 mi. Project 1993, Wilson Co. $242,378, and 5.64 mi. Project 909, Buncombe Co. $160,543, from L. L. Tindall, Waterford, Wis., 6.99 mi. Project 756, Stokes Co. $170,760, from F. L. McGuire, Bankers Trust Bldg., Norfolk, Va., 9.04

Streets and Roads (Continued)

mi. Project 1050, Beaufort Co. $242,293, from Blythe Bros., Brevard Court, Charlotte, 11.97 mi. Project 337, Cumberland Co. $262,518, and 14.36 mi. Project 307, Bladen Co. $273,440; from Chandler & Gregory, Virgilina, Va., clearing, grubbing, grading, etc., 9.72 mi. Project 637, Iredell Co. $65,868, 9.88 mi. Project 624, Catawba Co. $55,883, and 11.55 mi. Project 244, Jones Co. $80,796, from Atlantic Paving Co., Salisbury, 13.59 mi. Project 669, Rowan Co. $59,775, from C. E. Hill & Son, Apex, 8.24 mi. Project 135, Halifax Co. $66,698, from Jamison Bros., Inc., High Point, 10.51 mi. Project 398, Robeson Co. $41,733, grading and topsoiling, etc., 14.77 mi. Project 165, Northampton Co. $125,544, also from Beal Bros., Bear Creek, 12 mi. Project 303, Bladen Co. $72,617. Noted Apr. 22.

O., Akron—W. F. Peters, dir. Pub. Serv., May 10, **(e. e. means engineers est.)**, improving Oberlin St. et al, 1,760 lin.ft. stone curbing, 7,700 sq.ft. 4 in. concrete sidewalk, and 2,230 sq.yd. vitr. brick paving, etc., from Columbus Asphalt Paving Co., 304 Buckeye Bldg., $15,232 e. e. $17,900; Sheck St., 8,000 sq.ft. 4 in. concrete sidewalk, 1,400 cu.yd. earth excav., 400 cu.yd. cindering, from H. G. Baltes, 883 Bloomfield Ave., $5,628 e. e. $6,600; Hunt St., 7,100 sq.ft. 4 in. concrete sidewalk, 725 cu.yd. cindering, from Guron & Brancich, 429 Mathews St., $3,978 e. e. $4,900; Crouse St. et al, 4,460 lin.ft. stone curbing, 9,200 sq.ft. 4 in. concrete sidewalk, 6,730 sq.yd. vitr. brick on 6 in. concrete paving, from Shullo & De Luca, 140 North Summit St., $32,935, and McCourt Constr. Co., 369 South Main St., $6,715. Noted Apr. 22.

O., Cincinnati — Hamilton Co., grading and tar bound macadam repaving 17,900 sq.yd. Eagle Creek Rd. from Harrison Pk. to Thompson Rd., from J. A. Nickoson, Sayler Park Sta., $49,560. Engrs. est. $53,115. Noted Mar. 25.

O., Cincinnati—Director Pub. Wks., Apr. 5, granite curbing, cement sidewalks, granite block paving 3,800 sq.yd. Plum St., from Hannon-Hughes Constr. Co., 312 East 8th St., $55,246. Engrs. est. $63,812. Noted Apr. 1.

O., Cleveland—Improving with **(a)** brick **(b)** bituminous concrete **(c)** concrete **(1)** Linn Dr. **(2)** East 117th St. **(3)** Hale Ave. (1 to 3 inclusive) involves 2,850 lin.ft. stone curbing, 2,700 cu.yd. earth excav. and 4,130 sq.yd. paving **(4)** West 148th St. **(5)** Ardmore Ave. (4 and 5) involves 7,900 cu. yd. excav., 6,950 sq.yd. paving, 4,560 ft. granite curbing, etc., and **(6)** Glen Ave., 500 cu.yd. excav., 900 ft. stone curbing, 1,290 sq.yd. surfacing, etc., from Gould & Maybach, 16311 Saranac Rd., **(a1)** $13,583 **(b1)** $11,888 **(c1)** $11,706 **(a2)** $2,753 **(b2)** $2,319 **(c2)** $2,208 **(a3)** $7,312 **(b3)** $5,987 **(c3)** $5,428; from Roehl Bros. Constr. Co., 7112 Denison Ave., **(4 and 5)** $20,139 each; from H. G. Herring, Wayside Rd., **(a6)** $7,408 **(b6)** $6,159 and **(c6)** $6,151. Noted Apr. 29.

O. Cleveland — Cuyahoga Co., improving Pearl Rd. 2, 10,860 lin.ft. granite curbing, 12,660 lin.ft. 4 in. french drain guttering, 17,515 cu.yd. earth excav. and 31,480 sq.yd. concrete paving, etc., from Highway Constr. Co., Guarantee Title Bldg., $156,057.

Ind., Anderson — Madison Co., grading, curbing, paving, etc., 22nd St. from Brown to Raible Sts. and 22nd to Nichol Sts., from G. B. McKown Co., Noblesville, $68,-577. Engrs. est. $78,000.

Mich., Fordson—From W. H. Knapp Co., Monroe, grading and concrete paving 4,356 sq.yd. Assessment Dist. 114 $15,691, 4,021 sq.yd. Dist. 116 $14,144, 8,580 sq.yd. Dist. 117 $30,470, and 787 sq.yd. Dist. 118 $2,741; from Ocascro Constr. Co., 1548 Penobscot Bldg., Detroit, 8,092 sq.yd. Dist. 115 $28,356. Noted May 6.

Mich., Pontiac—Oakland Co., from C. R. Bradley, Royal Oak, graveling 4 mi. Bushman Rd., Dist. 86 $45,900, 2½ mi. Dublin Rd., Dist. 59 $26,652 and 4 mi. Davisburg-White Lake Rd., Dist. 95 $62,011; from Ayers-Bolmer Co., Pontiac, 2½ mi. Armond Rd., Dist. 91 $32,442; and from R. D. Baker Co., 1454 Penobscot Bldg., Detroit, concrete paving 4½ mi. Monnier Rd. on Coolidge Highway, Dist. 88, 20 ft., $339,219.

Mich., Wayne—I. K. Comer, village clk., Apr. 27, paving 80,000 sq.yd. Michigan Ave. and various other streets, from Edwards Asphalt Paving Co., Hamilton, O., concrete $263,828, rein.-con. $280,828, and oil asphalt $263,828. Noted Apr. 22.

Ill., Decatur—Bd. Local Impvts., E. E. Elder, pres., Apr. 29, grading, curbing and asphalt paving 5 blocks East North St., 50 ft., from Birt & Driscoll, Decatur, $33,-208. Engrs. est. $37,022. Noted Feb. 18.

Ill., Kewanee—Bd. Local Impvts., grading, curbing and rein.-con. paving 9 blocks Lexington Ave., 1st and Park Sts. 23 to 40 ft., from Central Eng. Co., Putnam Bldg., Davenport, Ia., $27,244, engrs. est. $46,523; 12 blocks Pine, Helmer, George, Willows and Grove Sts., 18 to 30 ft., from Central Illinois Eng. Co., Moline, $45,516, engrs. est. $60,000. Noted Apr. 15.

Wisconsin—State Hy. Dept., La Crosse grading and crushed stone surfacing 3.12 mi. Project 87-S, Buffalo Co., from Lange Constr. Co., Minneapolis, Minn., $19,428; 4.17 mi. State Job 5891, Vernon Co., from S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., $58,332; and 8.74 mi. Project 412-A, Vernon Co., from J. Gunnison & Sons, 803 East Gorham St., Madison. $99,953.

Wis., Manitowoc—A. H. Zander, city clk., May 6, paving 39,607 sq.yd. various streets, from Manitowoc Constr. Co., 826 South 8th St., rein.-con. $2.16 per sq.yd. and vibrolithic concrete $2.14 per sq.yd. Noted May 13.

Wis., Milwaukee—Dept. Pub. Wks., May 6, from White Constr. Co., 68 Wisconsin St., asphalt resurfacing Grove St. $4,879, Oregon St. $20,470, and Park St. $4,552, from Badger Constr. Co., 97 Wisconsin St., Wells St. $2,011, also sheet asphalt paving Layton Blvd. $26,222, and State St. $4,589.

Wis., Milwaukee—Dept. Pub. Wks., May 7, vibrolithic or one course concrete paving Swain Ct., from Czerwinski Constr. Co., 816 Clinton St. $13,765, and 26th St., from J. C. Bluhm & Son, 1298 Achilles Pl., $11,-393; grading Sherman Blvd., and vibrolithic concrete paving 59th St., from A. E. Retzlaff, 868 Island Ave. $7,922 and $19,919 respectively; concrete paving 1 alley, from Reid & Mahlberg, 818 Lake Blvd., $3,279, two alleys from Schwerm Bros., 50 Lee St., $7,495, two alleys from F. Hildebrand, 1942 23rd Ave., $7,188, and one alley, from Ryback & Sadowski, 1092 2nd Ave., $917.

Texas—H. Mosely, chn. State Hy. Comn., Austin, Apr. 29, grading and bridging 9.098 mi. State Highway 7 Federal Aid Project 498, Nolan Co., from W. E. Burke, Stephenville, $18,263; also 2½ in. bituminous macadam on sledged stone paving 7.9 mi. Highway 22, Federal Aid Project 304-B, Unit 2, Travis Co., from Womack Constr. Co., Sherman, $88,528, engrs. est. $80,000. Noted Apr. 22.

Tex., Houston — Harris Co., warrenite bitulithic or rock asphalt paving San Jancinto St. from McKinney Ave. to McGowan Ave., from Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $121,437. Engrs. est. $130,000.

Tex., Houston — Bitulithic paving San Jacinto St. from McKinny to McGowan Aves., from Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $121,437.

Okla., Rush Springs—City Clerk, grading and concrete paving 6,950 sq.yd. Blakeley Ave., from Stephens County Constr. Co., Marlow, $24,421. Engrs. est. $25,000. Noted Apr. 29.

Colorado—State Hy. Dept., Denver, May 5, clay and sand subgrade treating 20.62 mi. Federal Aid Project 287-A, Const. Div. 2, Morgan Co., from Orley-La Nier, Ft. Morgan, $93,051; and paving 5.409 mi. Federal Aid Projects 288-A and B Paving Divs. 1 and 2, Logan and Washington Counties, from E. Selander, Ft. Morgan, $137,696. Noted Apr. 29.

Wash., Seattle—Bd. Pub. Wks., Apr. 30, grading, etc. 82,000 cu.yd. Lakeside Ave., South, et al., from Goetz & Brennan, Seaboard Bldg., $78,004.

Calif., Riverside—Riverside Co., concrete widening 17.3 mi. road between Whitewater and Edom, from Matich Bros., Elsinore, $103,395. Engrs. est. $110,175.

Calif., San Diego—Common Council, May 3, from G. R. Daley, 4430 Boundary St., improving 1st and Redwood Sts., 424 cu.yd. excav. at $1.40 per cu.yd., 242,784 sq.ft. 1½ in. asphaltic concrete wearing surface on 5 in. concrete paving $0.229, 9,305 sq.ft. 1½ in. asphaltic concrete wearing surface on 2½ in. asphalt concrete paving $0.16, 5,066 sq.ft. concrete sidewalk $0.22, and 1,059 lin.ft. concrete curbing $0.65, total $102,875. Noted Mar. 18.

Contracts Awarded

Mass., Roxbury (Boston P. O.)—Sheet asphalt paving Huntington Ave., to J. F. Kennedy Constr. Co., 6 Beacon St., $57,217.

Mass., Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, recut granite block paving Blue Hill Ave., here, to A. De Stefano, 10 Everett St., East Boston, $38,218. Noted Apr. 29.

Connecticut—J. A. Maconald, comr. State Hy. Dept., Hartford, grading and paving at Bishop's Crossing in Plainfield, to J. Lorrenzi, Leominster, Mass., about $78,000. Noted Apr. 15.

New York — A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)** improving 6.79 mi. Highway 8246, Kirkland-Rome Highway, Oneida Co., to Dale Eng. Co., 404 Court St., Utica, $279,654 e.e. $341,469; 4.02 mi. Repair Contr. 3144, Highway Contr. 5149, Peekskill-Fishkill Highway, Putnam Co., to J Arborio, 59 Center St., New Haven, Conn., $274,667 e.e. $356,095; 4.23 mi. Highway 1730, LeRoy-Brockport Highway, Part 3, Genessee Co., to H. W. Patterson, Hornell, $147,906 e.e. $197,181; 0.84 mi. Repair Contr. 1,500, Highway 5,118, Holley-Albion Highway, Part 2, Orleans Co., and 5.73 mi. Highway 8,245, Corfu-Indian Falls: Indian Falls-Alabama Highway, Genessee Co., to W. J. Gallagher, Medina, $34,216 and $212,543 respectively, e.e. $48,480 and $283,873 respectively; 3.36 mi. Repair Contr. 1,507, Highway 893, Bliss-Smith Corners Highway, Wyoming Co., to P. N. Carll, 123 Fulton St., Olean, $143,323 e.e. $182,384; 5.61 mi. Repair Contr. 3145, Highway 803, Hudson Falls-Fort Ann Highway, Washington Co., to New York Willite Paving Corp., Rochester, $205,480 e.e. $290,-272; 1.26 mi. Repair Contr. 1,508, Highway 543, Johnstown-Broadalbin, Part 2, Fulton Co., to J. B. Dower, Ballston Spa, $66,774 e.e. $75,153; 2.66 mi. Repair Contr. 1,503 Highway 681-682 Ithaca-Dryden Highway Parts 1 and 2 Tompkins Co., to Bolton, Suits & Bolton, Watkins Glen, $94,248 e.e. $115,050. Grand total $1,458,811. Noted Apr. 22.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to W. P. Macdonald Constr. Co., Lawrence St., Flushing, repaving on existing concrete Jackson Ave., $1,933, asphalt block repaving Franklin St., etc., $36,634, Jamaica Ave. from Main to Sanford Sts. $21,360, and sheet asphalt repaving Sutphin Blvd. $92,-660; to Eastern Contg. Co., 367 Fulton St., Brooklyn, granite block repaving Myrtle Ave. to Cooper Ave., $221,510. Grand total $374,097. Noted May 13.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete paving Leland Ave. and Chislom St., to Asphalt Constr. Co., 208 Bway., $69,963 and $8,444 respectively; asphalt block on concrete repaving La Fountaine Ave., to L. De Minna, 2366 Lorillard Pl., $55,069; and granite block on concrete repaving East 152nd St., from St. George Paving Co., 90 West St., $30,582. Grand total $164,058. Noted May 13.

N. Y., New York—J. Miller, pres. Manhattan Boro, Boro Hall, granite block repaving Greenwich St., to J. Meehan & Son, Inc., 90 West St., $48,444; sheet asphalt repaving Stanton St., to Highway Impvt. & Repair Co., 50 Church St., $126,571, 42nd St. to W. J. Fitzgerald, 547 West 45th St. $72,899, and Madison Ave., to Interboro Asphalt Co., 2306 Creston Ave., $104,899. Grand total $352,813. Noted May 6.

N. Y., St. George—J. A. Lynch, pres. Queens Boro, Queens Subway Bldg., concrete sidewalks on New Dorp Lane, Hylan Blvd., etc., to F. J. Zarelli, 465 Cary Ave., West New Brighton, $4,263; bituminous concrete repaving Targee St. and Castleton Ave., to J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $37,988. Noted May 6.

New Jersey—State Hy. Dept., Trenton, grading and concrete paving 10 mi. White Horse Pike between Absecon and Egg Harbor, Atlantic Co., to Comerford Constr. Co., 125 South 5th St., Phila., Pa., $313,044; and 2.75 mi. road from Belvidere to Buttsville, Warren Co., to F. H. Smith, Hackettstown, $158,440. Noted May 13.

New Jersey—State Hy. Comn., Trenton, grading and rein.-con. paving 3 mi. Route 9 from Perryville to Clinton, Hunterdon Co., to H. Shapiro Constr. Co., Rutherford, $234,380. Noted May 20.

N. J., Elizabeth—Union Co., Court House, grading and sheet asphalt on concrete paving 8,350 lin.ft. Kenilworth Blvd. from 20th St. to Springfield Ave., to Weldon Contg. Co., Broad St., Westfield, $97,889. Noted Apr. 29.

N. J., Irvington (br. Newark)—Bd. Town Comrs., Town Hall, to A. J. Milmore, 83 Littleton Ave., Newark, grading, curbing and 6 in. rein.-con. paving Chapman St. $11,344, Cottage Pl. $5,652, Fuller Pl. $19,-274, Brookside Ave. $16,137, and Wilson Pl. $7,893; to J. Dorer, Irvington, Kuna Terrace, $6,215, and Osbourne Pl. $5,494. Grand total $72,009.

N. J., New Brunswick — Middlesex Co., rein.-con. paving 2 mi. road from Rahway to Woodbridge, and 0.75 mi. road from Woodbridge to Iselin, to Liddle & Pfeifer, 149 New Brunswick Ave., Perth Amboy, $80,317 and $30,506 respectively. Noted Apr. 15.

N. J., Oakhurst—Ocean Twp., G. E. Van Note, chn. concrete paving 0.036 mi. Edgmont Ave., Lock Arbour, to E. T. McNiery Bradley Beach, $26,943. Noted Mar. 18.

N. J., Woodbridge—Middlesex Co. (New Brunswick) paving ¾ mi. Green St., here, to Liddle & Pfeiffer, 149 New Brunswick Ave., Perth Amboy, $30,506.

Streets and Roads (Continued)

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, rein.-con. paving, etc. 30,562 sq.yd. A. 3656-57, Fayette Co., to Pratt & Moore Inc., Hollidaysburg $127,284, 55,663 sq.yd. R. 492, A. 3543, York Co., to W. Grant Raub Co., Red Lion $227,355, 45,195 sq.yd. R. 197, A. 3372, Sect. 2, Berks Co., to M. Staub, Reading $210,693, 8,391 sq.yd. A. 3940, York Co., to York Eng. & Constr. Co., York $36,480, 44,048 sq.yd. R. 366, A. 3059, Fayette Co., to Payne-Yost Constr. Co., Pittsburgh $216,688, and 5,378 sq.yd. R. 478, A. 3963, Tioga Co., to A. W. Hinaman, Williamsport $30,477. Grand total $653,-977. Noted Apr. 1.

Pa., Phila. — Dept. Pub. Wks., Bureau of Highways, to Curtis Bros., State and Unruh Rds., grading Bingham, Claridge, Cottman, Dungan, Faunce, Lawndale, Montour, Oakmont and Tabor Sts. $22,743, to E. Garlick, Sr., 2948 Venango St., Church St. $1,001, and Frontenac St. $475, also to F. Mark Contg. Co., North and Winghocking Sts., E. Emerson, Hoffnagle and Ryers Sts. $9,629; to Eastern Paving Co., Penn Bldg., asphalt paving (assessment work) Graham St. $7,783, to Union Paving Co., 30th and Locust Sts., Johnston St. $9,590, Nedro St. $10,650, and furnishing asphalt paving mixtures $31,625; to Barber Asphalt Co., 239 North 30th St., asphalt paving Salmon St. $8,569; to C. G. Centrone, Bailey Bldg., asphalt repaving Lippincott, Martha, Stella and Thompson Sts. $33,782; to Municipal Paving Co., 702 Catharine St., redressed granite block repaving Berks St. $22,677, to United Paving Co., Real Estate Trust Bldg., Coral and Hope Sts. $3,616, to Acchione & Caruso Paving Co., 804 South 12th St., Coral St. $12,981, to Baton Constr. Co., 1713 Sansom St., Filbert, Broad and Market Sts. (track area), $87,385, and to J. Ciccone, 5724 Westminister St., Market St. $1,980; to Henry & White, 6703 Torresdale St., hiring motor truck for hauling cinders and asphalt $1,250; to Atlantic Refining Co., 260 South Broad St., Specifications D and A bituminous materials $13,750. Grand total $301,772.

Pa., Pittsburgh—City, **(e. e. means engrs. est)**—To Booth & Flinn, Ltd., Forbes St., grading and paving, etc. Perchment St., $27,624 e.e. $30,000, Glenarm Ave., $30,343 e.e. $35,000, and Troy Hill Rd., $36,460 e.e. $40,000. Grand total $94,427. Noted Jan. 21.

Md., Baltimore — Bd. Awards, concrete paving 9,840 sq.yd. Contr. 338, to H. H. Hershberger, 3723 Reistertown Rd., $26,-155. Noted May 13.

W. Va., Charleston — Rein.-con. paving Court St. and Highland Dr., to Brown & Floyd, Lowenstein Bldg., Charleston, $25,-196.

North Carolina—State Hy. Comn., Raleigh, clearing, grading and concrete paving 7.45 mi. Project 1992, Wilson Co., to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., $228,641.

South Carolina — State Hy. Dept., Columbus, topsoiling 5.2 mi. Route 22, State Project 627-B, Fairfield Co., to W. B. Boyle Co., Sumter, $69,315. Noted Apr. 29.

Fla., Kissimmee—Osceola Co., constructing Kissimmee Park, Hilliard Island, Lake Wilson, Partin, Narcoossee, Orlando, Hickory Tree, Lake Ave., Lee St., etc., to Gregory & Wilson, West Palm Beach, $818,-221; Pleasant Hill Rd., to Pryor & Brown, Haines City, $216,721; and Kenansville Rd., to Steed & Walker, Okeechobee, $565,-058. Grand total $1,600,000. Noted May 6.

Ala., Birmingham — City Comn. **(e. e. means engineers estimate)**, to Independent Paving Co., Amer. Trust Bldg., asphalt paving 6 blocks 1st Ave. S., 60 ft., $15,-609 e. e. $32,200, and 6 blocks 26th St., 60 ft., $25,715 e. e. $30,300, to A. T. Mehaffey, 7836 Underwood Ave., 1 block South 16th St., 40 ft., $1,479 e. e. $2,100, to Morgan-Hill Paving Co., Woodard Bldg., 12 blocks Pike Rd. and 31st St. (Ensley), 40 ft., $46,629 e. e. $51,800, to D. A. Burton, 1st Natl. Bank Bldg., 3 blocks 29th St., Ave. Z. and Cullam Ave., 40 ft., $11,-545 e. e. $16,000, to H. N. Bowdry, Alabama Power Co. Bldg., 4 blocks Montrose Pl., Berwick and Carlisle Rds., 40 ft., $14,302 e. e. $15,250, to Federal Asphalt Paving Co., Amer. Trust Bldg., 2 blocks 6th Way (Ensley), 40 ft., $3,670 e. e. $4,200, to J. Hamm, 1st Natl. Bank Bldg., 6 blocks Anniston Ave., 23rd and 24th Sts. (Ensley), 60 ft., $23,174 e. e. $25,500, 5 blocks 20th Pl. (Ensley), 40 ft., $16,409 e. e. $25,550, grading and asphalt paving 4 blocks Avenue Y, 40 ft., $16,158 e. e. $25,350; to Southern Roads Co., 104 North 17th St., asphalt paving 3 blocks 12th St., 40 ft., $7,135 e. e. $10,000, and building low level concrete drives beside 24th St. viaduct, 30 ft., $9,089 e. e. $10,000. Grand total $190,914. Noted Mar. 11, 18, 25 and Apr. 29.

Miss., Fayette—Jefferson Co., improving 2.3 mi. Federal Aid Project 84-A, 15,771 cu. yd. excav., 7,880 cu.yd. borrow, 4,922 cu.yd. gravel 1 mi. haul, 30,080 units overhaul, etc., to W. H. Groome & Son, McNair, $27,-214. Noted Mar. 25.

Miss., Hattiesburg—Bd. Supervs. Forrest Co., 6 in. concrete paving 59,357 sq.yd. Federal Aid Projects 69-A, 70-A and 73-B, to S. K. Jones, Cotton Exch. Bldg., Memphis, Tenn., $198,000; and brick on gravel paving 0.5 mi. Edwards St., to E. A. Finch, Hattiesburg, $24,700. Noted Apr. 22.

La., Baton Rouge — Grading, curbing, guttering, sidewalks, sewers and 2 in. warrenite bitulithic on concrete paving 14,400 sq.yd. various streets, to R. G. Lassiter & Co., Baton Rouge, approximately $54,000.

Tenn., Nashville—City will oil and gravel surface Chestnut St. from 8th Ave. to Louisville & Nashville R.R. tracks, Humphries St. from 4th Ave. to Chestnut St., Arthington Ave. from Elliot to 10th Aves., 9th Ave. from Glenn to Bradford Aves., and Waldkirch Ave. from 9th to 10th Aves., by day labor under direction Superintendent Streets. To exceed $25,000. H. E. Howse, mayor.

Ky., Murray—Grading, curbing, guttering and sheet asphalt on concrete paving 29,000 sq.yd. East Main, 4th, 5th and Poplar Sts., to Federal Asphalt Paving Co., 219 High St., Hamilton, O. $86,415. Engrs. est. $95,421.

O., Cincinnati — Hamilton Co., to J. L. Radabaugh, Montgomery Pk., improving Camargo Rd. from Maderia to Allendale, 13,000 cu.yd. grading at $0.50 per cu.yd., 22,575 sq.yd. concrete paving $2.70 per etc., total $83,808. Engrs. est. $96,516. Noted May 6.

O., Cincinnati — Hamilton Co., grading and concrete repaving 12,000 sq.yd. North Bend Rd. from Burnt School House to Yogel Rds., to Gradison Constr. Co., 1st Natl. Bank Bldg., $39,910. Engrs. est. $41,721.

O., Columbus—Franklin Co., waterbound macadam paving, etc. 0.51 mi. Central Ave., and 0.566 mi. 1st Ave., to Edwards Constr. Co., 515 Carpenter St., $10,489 and $11,556 respectively, and 1.058 mi. Coffman Rd., to D. C. Jones, Worthington, $14,928, all foregoing 16 ft. wide; also 0.53 mi. Harper Rd. and 0.106 mi. Deshler Ave., 20 ft., to Kinnear & Barricklow, Central Bank Bldg., $16,252 and $3,748 respectively. Grand total $56,973. Noted Apr. 22.

O., Marion — Marion Co., improving 2.2 mi. Mt. Olive Rd., to S. M. Wooley, Marion, $27,873 engrs. est. $30,000; and 3.4 mi. Upper Sandusky Rd., to Kiffin Thompson Contg. Co., Marion, $36,861 engrs. est. $36,000, both 16 ft. Noted May 13.

O., Shaker Heights (mail Cleveland) — Bd. Comrs. Cuyahoga Co. (Cleveland), sheet asphalt paving Townley and Tolland Rds., here, to Rieley Bros., The Arcade, Cleveland, $22,909 and $22,466 respectively.

Ind., Anderson — Madison Co., grading, curbing, walks and paving Hugh Hill Rd., West 22nd St., to G. B. McKown Co., Noblesville, $68,577.

Mich., Caro—Tuscola Co., graveling 6.65 mi. road from F. A. 90 to Wisner Corners, to A. Barnes, Cass City, $68,127.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Transportation Bldg., sheet asphalt paving 7,680 sq.yd. Harper Ave. $28,847, 5,550 sq.yd. Kentucuky Ave. $22,-546, 4,150 sq.yd. Guthrie Ave. $17,303, 3,380 sq.yd. Hildale Ave. $14,671, 3,650 sq.yd. Renville Ave. $15,476, 6,500 sq.yd. Carbondale Ave. $27,450, 2,480 sq.yd. Strassburg Ave. $10,800, 2,440 sq.yd. Lamont Ave. $10,596, 2,025 sq.yd. Newhall St. $9,003, 11,300 sq.yd. Turner Ave. $46,612, and 16,380 sq.yd. Lynch Rd., $67,338; to M. R. Hanna Co., 2700 Six Mile Rd., 2,390 sq.yd. Indiana Ave. $9,875, 8,070 sq.yd. Lumkin Ave. 33,304, 8,810 sq.yd. Andover Ave. $35,935, and 5,650 sq.yd. Wark Ave. $23,239; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 2,850 sq.yd. Washburn Ave. $11,265, 4,370 sq.yd. Globe Ave. $18,543, and 2,660 sq.yd. Ilene Ave. $11,091. Grand total $403,894.

Mich., Grand Rapids—Sheet asphalt paving 4th St. from Stocking to Valley Aves., to W. G. O'Connor, Grand Rapids, $30,433.

Mich., Grosse Pointe Farms — Concrete curbing and 8 in. one course concrete paving 27,000 sq.yd. Cloverly and Lothrop Rds., Mt. Vernon, Madison, Manor, Fairbairn, Calvin and Webster Aves., to G. R. Cooke, Penobscot Bldg., Detroit, $82,-000.

Mich., Pontiac — Oakland Co., concrete paving 4.5 mi. Monnier Rd. A. D. 88, 20 ft., to R. D. Baker Co., 1454 Penobscot Bldg., Detroit, $339,219.

Mich., Port Huron—St. Clair Co., graveling 2 mi. Hart Rd., to J. W. Baker & Co., Pt. Huron, $49,759; 6 mi. Townline Rd. to Marine City, to H. Campbell Co., Pt. Huron, $95,010; and 9 mi. Nye Hill Rd., to Peacock Constr. Co., Yale, $138,686. Grand total $283,475.

Mich., Saginaw West Side—Saginaw Co., concrete paving 4 mi. A. D. Rd. 62, and 3.54 mi. T. L. 46 and 24, to T. McNally, Saginaw, $84,162 and $39,476 respectively, and macadam paving 4.5 mi. A. D. Rd. 108, to J. W. Ederer & Co., Saginaw, $53,900. Noted Apr. 22.

Ill., Belleville—Bd. Local Impvts., grading, curbing and rein.-con. paving 2,500 sq. yd. Virginia St., 2,440 sq.yd. North Pennsylvania St., 3,160 sq.yd. North 4th St., and 10,920 sq.yd. Washington St., to Hoefkin Bros. Constr. Co., 222 West B St., $20,070.

Ill., Chicago—H. E. Wallace, Ch. Sanitary Dist. of Chicago, 910 South Michigan Ave., approaches to bascule bridge over main drainage channel Sanitary Dist. of Chicago at Cicero Ave., to Contg. Material Co., 42 East Pearson St., $103,070. Noted Apr. 29.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, grading and 7 in. concrete paving alleys between East 38th St. and East Pershing Rd., between Ellis Ave. and Drexel Blvd., between East 53rd and East 54th Sts., and between West 53rd and West 54th Sts., to J. Dillon & Co., 2953 Halsted St.; alley between West Crawford and North Hamilton Aves., West Madison Ave. and West Washington Blvd., to P. O'Brien, 4 North Cicero Ave.; alley between North Rockwell St., Bloomingdale, Wabansia and North Talman Aves., to R. R. Anderson Co., 625 North Kedzie Ave.; curbing, guttering and asphalt on 6 in. concrete paving Avenue F from East 106th to East 108th Sts., grading, curbing, guttering and 2 in. asphalt on 8 in. concrete, South State St. from East 68th to West 75th St., grading, curbing, guttering and asphalt on 6 in. concrete paving Lowe Ave. from West 111th to West 112th Sts., Lowe Ave. from West 113th to West 115th Sts., South Union Ave. from West 111th to West 115th Sts., Emerald Ave. from West 111th to West 112th Sts., West 112th St. from Wallace St. to Emerald Ave., West 113th St. from Wallace St. to Union Ave., West 114th St. from Wallace St. to South Union Ave., to Amer. Asphalt Paving Co., 133 West Washington St., Christian Ave. from Bryn Mawr to Balmoral Aves., to J. V. McCarthy Co., 77 West Washington St., grading, curbing, guttering and 6 in. concrete paving Crystal St. and Potomac Ave. from North Laramie to North Long Aves., to J. A. Sackley Co., 4608 Belmont Ave.; grading, curbing, guttering and asphalt on 6 in. concrete paving Langley Ave. from East 60th to East 61st Sts., to R. F. Conway Co., 844 Rush St.; grading, curbing, guttering and 2 in. asphaltic concrete on 6 in. concrete paving North Lorel Ave. from Potomac Ave. to Hirsch St., to White Paving Co., 1735 Fullerton St.; grading, curbing, guttering and 6 in. concrete paving Walden Parkway from West 98th to West 99th Sts., to Ready & Callaghan Coal Co., 133 West Washington St.; grading, curbing, guttering and 8 in. concrete paving South Sangamon St. from West 87th to West 88th Sts., to Smith & Brown, 111 West Washington St., West 34th St. from a line 20 ft. to point 522 ft. west of South Western Ave., to J. A. Ross & Co., 4561 Armitage St., and South Wood St. from right-of-way of Wabash R.R. to West 76th St., to Central Paving Co., 179 West Washington St. Noted Mar. 25th, April 1 and 22.

Wis., Kaukauna—L. C. Wolf, city clk., vibrolithic concrete paving 11,577 sq.yd. Depot St., to J. McCarthy Constr. Co., Kaukauna, $37,586. Noted Apr. 29.

Wis., Milwaukee—Dept. Pub. Wks., to F. Doherty Co., 37th and Fond du Lac Sts., grading Auer Ave. $5,911, to Froeming Bros., 1326 Humboldt Ave. Bonny Pl. $5,647, and 38th St. $5,119, to Bartel-Maurer Co., 924 Muskego Ave. $14,-631, to A. Schraeder, 1009 Lake Blvd., 44th St. $10,095, to R. H. Gumz, 831 13th Ave., 59th St. $3,355, and 36th St. $10,634; to A. E. Retzlaff, 868 Island Ave., vibrolithic concrete paving 51st St. $6,862, 57th St. $10,389, 60th St. $4,817, and 12th St. $2,074, to Reid & Mahlberg, 818 Lake Blvd., Galena St. $8,300, to J. Bluhm & Son, 1298 Achilles Pl., 40th St. $9,601, and Hadley St. $7,576, to Milwaukee General Constr. Co., 427 Mitchell St., 34th St. $3,922, and 14th Ave. $3,180; also to Gumz & Switalski, 831 13th Ave., granite block paving Jackson St. $33,849. Grand total $145,692.

Wis., Milwaukee—Dept. Pub. Wks., concrete paving 2 alleys, to Parkinson Constr. Co., 322 27th St., $4,646; 10 alleys, to F. W. Blodgett, 521 Newton Ave., $41,746; 4 alleys, to Bodemann Constr. Co., 691 48th St., $24,582; and 1 alley, to J. Bluhm & Son, 1298 Achilles Pl., $1,517. Grand total $72,491.

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., to Jacobus & Winding Con-

Streets and Roads (Continued)

crete Constr. Co., 1 State St., improving Stickney and Gridley Aves., Pleasant and Albert Sts., 20,200 cu.yd. grading at $0.45 and $0.60 per cu.yd., and 18,510 sq.yd. paving $2.18 per sq.yd. Noted Apr. 22.

Ia., Ames—Curbing, guttering and concrete paving 70,000 sq.yd. various streets, to C. F. Lytle Constr. Co., 105 6th St., Sioux City, $161,000. Noted Apr. 29.

Ia., Cedar Rapids—Auditor Linn Co., to T. N. Carnall, Oelwein, improving 10.5 mi. Roads 2 and 6, 16,125 cu.yd. gravel 1 mi. haul at $0.379 per cu.yd., and 98,994 units overhaul $0.079. Noted Apr. 22.

Ia., Ft. Madison—Auditor Lee Co., to M. T. McGuire, Algona, improving Primary Project S-63, 19,096 cu.yd. excav. at $0.22 per cu.yd., 100 cu.yd. loose rock $1.50, etc., Project S-64, 35,569 cu.yd. excav. $0.223, etc., Project S-65, 52,039 cu.yd. excav. $0.228, etc., and Project 66, 40,173 cu.yd. excav. $0.214, etc. Noted Apr. 15.

Ia., Ottumwa—E. J. Chambers, city clk., grading, curbing and 6 in. rein.-con. paving 35,000 sq.yd. Jefferson, Lincoln, Ash, Kruger, Jay, Mechanic, Haynes, East 2nd, Birch, Hackberry and Vine Sts., to Western States Paving Co., Davenport.

Ia., Storm Lake—Auditor Buena Vista Co., to R. C. Hart, Spencer, improving Primary-Secondary Project S-77, 23,667 cu. yd. excav. at $0.263 per cu.yd., and 10,309 cu.yd. excav. $0.29; to J. Barnes, Newell, 13,577 cu.yd. excav. $0.24, etc., and to J. W. Ault, Ft. Dodge, 21,845 cu.yd. excav. $0.29 and $0.30, 125 cu.yd. loose rock excav. $0.75. Noted Mar. 15.

Ia., Toledo — Auditor Tama Co., to T. Mickle, Newton, improving 6.809 mi. Federal Aid Project 257, 116,491 cu.yd. excav. at $0.277 per cu.yd., 100 cu.yd. loose rock $1, 100 cu.yd. solid rock $2.50, clearing right of way $1,575, etc. Noted Apr. 22.

Minnesota—State Hy. Dept., St. Paul, **(F. A. P. means Federal Aid Project and S. P. means State Project)**, grading, etc. 358,000 cu.yd. S.P. 52-21, F.A.P. 381, to J. J. and M. S. Mergens, 400 Temple Court Bldg., Minneapolis, $131,088; graveling, etc. 13.9 mi. S.P. 4-29, Sect. 2, F.A.P. 342, to H. Miller, Lake Crystal $21,395, and 12.9 mi. S.P. 4-29, Sect. 3, F.A.P. 343, to S. J. Reader, 209 Kasota Bldg., Minneapolis $21,-394. Grand total $173,877. Noted Apr. 8.

Minn., Marshall — R. D. Houdersheldt, aud. Lyon Co., May 3, grading, etc. approximately 127,000 cu.yd. Job 2609, State Aid Rd. 3, to D. Ryan, Marshall, $29,-726. Engrs. est. $30,000. Noted Apr. 22.

Minn., Minneapolis—A. E. Erickson, aud. Hennipen Co., widening and asphaltic concrete resurfacing 4 mi. County Highway 7, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, $78,500. Noted May 6.

Kan., Kansas City — Clerk Wyandotte Co., grading, curbing and 7 in. concrete paving 17,737 sq.yd. roads, to Sargent Constr. Co., Leavenworth, $35,500.

Kan., Winfield — Cowley Co., improving 3.444 mi. Sect. C and 5.402 mi. Sect. D Federal Aid Project 231, to Gallamore Constr. Co., Cushing, Okla., $90,192 and $139,574 respectively. Noted Mar. 11.

Neb., Holdredge—To Roberts Constr. Co., 1st. Natl. Bank Bldg., Lincoln, improving various streets, 4,700 yd. grading at $0.40 per yd., 13,270 yd. 6 in. rein.-con. paving $2, 8,200 ft. curbing and guttering $0.78, etc., total $36,508.

Wyoming — State Hy. Dept., Cheyenne, grading, surfacing and 2 pile trestles on 7.3 mi. Granger-Lyman Rd., Federal Aid Project 180-B, Uinta Co., to Wickham, Bros. & Schwieger, Billings, Mont., $54,619. Engrs. est $63,000. Noted Apr. 29.

Montana—State Hy. Dept., Helena, grading, gravel surfacing, etc. 93,000 cu.yd. Blackfeet Highway, Federal Aid Project 226-A and 227-A B, Glacier Co., to W. E. Applegate, 225 South Washington St., Butte, $551,628; 0.2 mi. Billings East Highway, Federal Aid Project 230 and 187-B, Yellowstone Co., to J. M. Carter, Billings, $15,011; 8,675 cu.yd. Y.G.B. Line and Yellowstone Trail, to Lewistown Constr. Co., Lewistown $13,186, and 8,000 cu.yd. Yellowstone Trail, to Lyon & Price, Spokane, Wash. $11,768, both in Park Co. Grand total $591,593. Noted Apr. 8.

Mo., Kansas City—Jackson Co., to W. A. Ross, Ry. Exch. Bldg., improving 85th St., 20,257 sq.yd. concrete paving at $1.89 per sq.yd., 500 cu.yd. rock excav. $2, 1,000 cu.yd. earth excav. $0.70, etc., total $41,451.

Mo., Mexico—Grading, curbing and 6 in. rein.-con. paving approximately 12,000 sq.yd. Wade St. and Western Ave., etc. to Hannibal Constr. Co., Hannibal, $36,972. Noted May 13.

Mo., St. Louis—W. and C. Brinkop, Jr., 3621 South Grand Blvd., grading, sidewalks, etc., on Carondelet Park Terrace, to W. H. Smith-Nelson Cunliff Co., 110 North 7th St. Engrs. est. $35,000 upwards. Noted Dec. 17.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, **(C. B. means City Block)**, to Eyermann Constr. Co., 1216 South Grand Blvd., concrete paving 1,455 sq.yd. alleys in C. B. 5542, $4,148; to A. Lewald, 1219 Amherst Pl., 1,545 sq.yd. alley in C. B. 5302, $4,373; to Parkinson Bros. Constr. Co., 3237 Carter Ave., 1,300 sq.yd. C. B. 5544, $4,195, 1,335 sq.yd. in C. B. 5529, $4,454, and 1,330 sq.yd. C. B. 5688 $3,528; to Schweitzer Constr. Co., 3821 Garfield Ave., 1,025 sq. yd. in C. B. 2986 $2,851, 625 sq.yd. C. B. 3783, $1,624, 1,635 sq.yd. C. B. 4053-B $4,436, 1,315 sq.yd. C. B. 4058-E, $3,931, 1,300 sq.yd. C. B. 4500-A, $3,616, 195 sq.yd. C. B. 4849-W, $553, 1,205 sq.yd. C. B. 4942, $3,314, 1,090 sq.yd. C. B. 4974, $2,982, 1,335 sq.yd. C. B. 5124, $3,730, 1,195 sq.yd. C. B. 5132, $3,212, 1,195 sq.yd. C. B. 5134, $2,976, 1,770 sq.yd. C. B. 5282, $4,615, 1,325 sq.yd. C. B. 5239, $3,194, and 670 sq.yd. C. B. 5429-C, $1,815. Grand total $63,547. Engrs. est. $69,860. Noted Mar. 18.

Mo., St. Louis—City will asphalt resurface, etc., North and South Bway., $52,000; Washington St. between Sarah and Vandeventer Sts., $15,600; Skinker Blvd. between Arundel and Clayton Sts., $9,550, Gravois St. between Russell and 18th Sts., $2,200; 16th St. between Clark and Market Sts., $9,490; Walls St. between Union and Arlington Sts.,$6,355; St. Louis Ave. between 15th and Jefferson Sts., $32,325; St. Louis St. between Jefferson and Glasgow Sts., $14,360; Waterman St. between Kingshighway and Lake St., $9,970; Waterman St. between Lake and Union Sts., $8,460; North Market St. between Kingshighway and Union St., $9,500; Osceola St. between Virginia and Grand Sts., $12,645; and St. Louis St. between Glasgow and Grand Sts., $7,050. Work will be done by day labor. Grand total $189,505.

Mo., Stanberry—City Clerk, grading, concrete paving, etc., 5,513 sq.yd. State Highway 4 between Brown Ave. and Elm St., to C. H. Atkinson Paving Co., Stewartsville. Noted Apr. 22.

Arkansas—State Hy. Dept., Little Rock, improving 18.38 mi. El Dorado-Magnolia Rd., Federal Aid Project 232-B, Union Co., 122.35 acres clearing and grubbing, 147,-267 cu.yd. excav., 6,950 ft. untreated and 121,982 ft. treated bridge timber, 47,159 lb. reinforcing, etc., to Tarrant & Miles, 406 East Black St., El Dorado, $80,109.

Arkansas—State Hy. Dept., Little Rock, grading, gravel surfacing, etc., 8 mi. Magnolia Village Rd., Federal Aid Project 232-A, Columbia Co., and 8.3 mi. Camden-Stephens Rd., Federal Aid Project 223-B, Ouachita Co., 34.55 acres clearing and grubbing, 86,352 cu.yd. excav., etc., to J. G. Newkirk, Prescott, $11,552 and $48,213 respectively. Noted Apr. 22.

Tex., Abilene — Warrenite bitulithic on concrete paving 6 blocks North 5th St. from Pine to Mesquite Sts., 35 ft., to West Texas Constr. Co., Abilene, $2.91 per yd.

Tex., Baird—Callahan Co., grading and bridging 3.206 mi. Highway 23, State Aid Project 655-C, to C. H. Van Eman, Cisco, $55,114. Noted Apr. 8.

Tex., Baird—V. G. Gilbert, judge Callahan Co., clearing, grubbing, bridging and concrete paving, etc. 32.06 mi. Highway 23, State Aid Project 655-C, to C. H. Van Eman, Cisco, $50,104, engrs. est. $66,000; and surfacing with sledged stone and bituminous topping alternates on 2½ in. brick on macadam base, on concrete base and for bates type concrete paving 8.39 mi. Highway 1, Federal Project 52-E, Unit 2, to McClung Constr. Co., 1309 F. & M. Bank Bldg., Ft. Worth, $136,376. Noted May 6.

Tex., Galveston—Curbing, sidewalks, and brick paving Sea Wall Blvd. from 25th to 37th Sts., from W. A. Kelso & Co., 2220 C St., $40,507; and permanent paving Ave. A from 40th to 46th Sts., to H. J. Hetkes, 3113 R ½ St., $34,960. Noted Apr. 15.

Okla., Earlsboro—Pottawatomie Co., improving 5 mi. road north of here, 36,100 cu.yd. earth and 4,300 cu.yd. rock excav., 6.2 tons reinforcing, 52,400 sq.yd. gravel top surfacing, etc., to Ellis & Lewis, Muskogee, $28,461. Engrs. est. $35,000.

Okla., Norman—For 5 in. vibrolithic paving 11,800 sq.yd. various streets, to E. R. Tibbetts, Norman, $31,800.

Okla., Okemah — Grading and concrete paving 10,800 sq.yd. 2 alleys, 9th and 10th Sts., to Park & Moran, 210 South Seminole St., Okmulgee, $31,389. Engrs. est. $34,770.

Okla., Ponca City—Grading, curbing and vertical fibre brick paving 7,760 sq.yd. South 4th and North Aves., to R. H. Baldwin, 109 East Grand St., $35,844. Engrs. est. $36,332. Noted Apr. 29.

Okla., Pryor—T. J. Harrison, 6 in. concrete paving 20,187 sq.yd. various streets, to Hanson & Pearce, Blackwell, approximately $67,000. Noted Apr. 15.

Colo., Denver—Dept. Impvts. & Parks, to New Mexico Constr. Co., 4015 Galapago St., asphaltic concrete paving East Denver Paving Dist. 20, $39,721, and Paving Dist. 21 $38,014; to Western Paving Constr. Co., 5230 Washington St., Paving Dist. 22 $35,-502, Paving Dist. 25 $36,350, and Paving Dist. 26 $38,707. Grand total $188,294. Noted Apr. 29.

Idaho—Commissioner Pub. Wks., Boise, grading, etc., 3.377 mi. Old Oregon Trail Highway, Federal Aid Project 86-B, Canyon Co., to Morrison-Knudsen Co., Boise, $86,-506. Noted Feb. 25.

Washington—State Hy. Dept., Olympia, **(S. R. means State Rd.)**, grading, etc., 7.54 mi. S. R. 8, Yakima Co., to J. Hampshire, Lundberg Bldg., Grants Pass, Ore., $57,509; concrete paving, etc., 6.3 mi. S. R. 9, Clallam Co., to Philbrick & Nicholson, Inc., 708 Rust Bldg., Tacoma, $179,833; crushed rock surfacing, etc., 15.8 mi. S. R. 12, Lewis and Pacific Counties, to M. S. Phillips, 507-8-9 California Bldg., Tacoma, $14,638; and concrete paving, etc., 63,000 sq.yd. S. R. 2, King Co., to Miley & Fox, 2524 McDougal Ave., Everett, $163,088; also constructing substructure for Yakima River Bridge, on S. R. 3, Yakima Co., to R. A. Geary, 22 Sloan Bldg., Yakima, $17,775. Grand total $432,843. Noted Apr. 15.

Wash., Dayton — Comrs. Columbia Co., grading and surfacing 4 mi. Highway 5-B west of here, to J. A. Terteling & Sons, Moscow, Idaho, $29,946.

Wash., Seattle—King Co., paving 3.1 mi. North 110th St. et al., 20 ft., to Fiorito Bros., 3950 6th St. N. W., $92,000. Engrs. est. $100,000.

Oregon—State Hy. Dept., Salem, grading and surfacing 1.63 mi. Tillamook Wheeler Sect. Roosevelt Highway, to Lair & Co., Kelso, Wash. $48,790, and 7.7 mi. Bly Mt. Beatty Sect. Klamath Falls Lakeview Highway, to R. W. Stevenson, Mt. Vernon, Wash., $76,700; also grading 10.68 mi. Missouri Bend Alsea Mt. Sect. Alsea Highway, Benton Co., to E. L. Gates, Alsea, $47,186. Grand total $172,676.

Calif., Berkeley—City Council, grading, curbing, walks and 6 in. concrete paving, etc. Sacramento St., to J. F. Knapp, 601 East Main St., Turlock, $96,586. Noted May 13.

Calif., Eureka — Grading and vibrolithic concrete paving T and Henderson Sts., to Englehart Paving & Constr. Co., Eureka, $195,175; and Warrenite on asphaltic concrete surfacing, Harris, E and Ocean Aves., to Mercer-Fraser Co., Eureka, $218,185.

Calif., Hollister—San Benito Co., concrete widening and bituminous macadam paving 6.9 mi. roadway between San Juan and Hollister, to Granite Constr. Co., Watsonville, $133,879.

Calif., Los Angeles — Los Angeles Co., curbing, guttering and 86,316 sq.ft. 6- to 8-in. and 196,123 sq.ft. 7- to 9-in. concrete paving, etc., Santa Fe and Independence Aves., Co. Impvt. 456, to G. H. Oswald, 366 East 58th St., $172,318. Noted Jan. 28.

Calif., Monterey — To Clark & Henery Constr. Co., Chancery Bldg., San Francisco, improving portions of Hartnell St., 72,000 sq.ft. 1½ in. asphalt on 3½ in. asphaltic concrete surfacing at $0.228 per sq.ft., 10,300 sq.ft. concrete walks $0.19, 1,946 ft. concrete curbing $1.10, etc.

Calif., Pomona—Curbing, walks and 6 in. concrete paving, etc. portions 1st Locust and Hamilton Sts., to Fleming Constr. Co., 105 North Park Ave., $31,090.

Calif., Tulare—Grading and concrete and Willite asphalt paving, etc. portions I St., to Valley Paving & Constr. Co., Visalia, $34,675.

Ont., Ottawa—Sheet asphalt paving 2½ mi. Metcalfe Rd., to Standard Paving Co., Elgin St., $40,000.

Ont., Sandwich—Paving California, Peter, Laurence, Franchette, Randolph, Baby, Montcalm, Randolph, Brock, Rosedale and Indian Rds., to Premier Constr. Co., 924 Windsor Ave., Windsor $14,971, to Merlo & Ray, Ford $8,500, and to Cadwell Sand & Gravel Co., 228 Sandwich St. W., Windsor $52,000. Grand total $75,471.

Ont., Walkerville—Paving Walker and Huron St., to Premier Constr. Co., 924 Windsor Ave., Windsor, $78,748; Windermere, Victoria, Byng and Vimy Aves., to Chick Contg. Co., McDougall St., Windsor, $41,126; and paving and sewers in Turner Rd., to Merlo & Ray, Ford, $9,954 and $17,-667 respectively. Grand total $147,495. Engrs. est. $136,000.

B. C., Vancouver — Concrete paving various streets, to A. B. Palmer & Co., 736 Granville St., $54,627.

Buildings—Commercial

Proposed Work

Mass., Amherst — BANK — First Natl. Bank, E. Whitcomb, pres., plans 1 or 2 story and basement, rein.-con. steel and stone bank. $150,000 or more. Engineer and architect not selected.

Mass., Boston—STORE and OFFICE—H. O. Apthrop, 15 State St., having preliminary sketches made by J. F. Cullen, 333 Washington St., 5 story and basement, brick and limestone, 85 Newbury St. $150,000.

Mass., Cambridge (Boston P. O.) — STORE and OFFICE—E. Sage, c/o R. C. Grovestein, archt., Brattle St., having sketches made 2 story and basement, 60 x 145 ft., brick and stone, Church and Brattle Sts. $150,000.

Mass., Malden (br. Boston)—STORE and OFFICE—A. B. Morgan, Pleasant St., plans 4 story and basement, brick, Pleasant St. $150,000 or more. Engineer and architect not selected.

Mass., Springfield — OFFICE — W. F. Young Chemical Co., Temple St., having plans prepared by Wallace & Dibble, 317 Main St., 6 story and basement, 85 x 120 ft., brick and steel, Dwight and Hillman Sts.

Mass., Springfield — THEATRE, STORE and OFFICE — Goldstein Bros. Amusement Co. plans 5 or 6 story, rein.-con., brick and steel, State St. $1,000,000.

Conn., Middletown — Y.M.C.A., R. B. Brainard, pres., plans to raise $150,000-$200,000 funds, new Y.M.C.A. building. Engineer and architect not selected.

N. Y., New York — APARTMENT — W. Warren, 16 East 47th St., soon takes bids brick, steel and stone, plain foundation, 5th Ave. $1,000,000. Warren & Wetmore, archts., and H. Balcom, engr., all at 16 East 47th St. Noted Apr. 15.

N. Y., New York — APARTMENT — Haven Palace, Inc., c/o C. B. Meyers, engr. and archt., 31 Union Sq., having plans prepared 6 story, brick, steel and stone, plain foundation, West 171st St. $300,000.

N. J., Asbury Park — APARTMENT — Berkley Arms, Inc., c/o M. E. Freehof, archt., 415 Lexington Ave., New York City, takes bids about May 25th, apartment, Grand and 8th Aves., here. $350,000.

N. J., Camden—OFFICE—Galen Building Co., Inc., c/o Edwards & Green, archts., Van Russ Bldg., soon takes bids 12 story and basement, rein.-con., brick and steel, plain foundation, Bway. and Stephens Sts. $500,000.

Pa., Lansdowne—APARTMENT—Dudleigh Court Apartments, Inc., c/o O. R. Parry, archt., 1924 Sansom St., Phila., soon takes bids 3 story and basement, 110 x 120 ft., brick and steel, plain foundation, Wycombe and Linden Sts. $200,000.

Pa., Latrobe — MASONIC TEMPLE — Latrobe Masonic Assn., c/o W. S. Jones, having plans prepared by Weaver & Eberson, 200 West 27th St., New York City, N. Y., 5 story and basement, 100 x 100 ft., brick, terra cotta and steel. $200,000.

Pa., Phila.—APARTMENT—Wellington Apartments, F. H. Frazier, 19th and Walnut Sts., having plans prepared by R. Benckert, Bellevue Court Bldg., approximately 20 story, 135 x 223 ft., rein.-con., brick and steel addition, 19th and Walnut Sts.

Pa., Phila. — INSTITUTION — F. V. Nickels, archt., 15 South 21st St., soon lets contract 3 story and basement, 40 x100 ft., rein.-con., brick, stone and steel, plain foundation, Pennsylvania and Chew Sts., for St. Magdalen Asylum, Pennsylvania and Chew Sts. $150,000.

Pa., Phila.—STORE and OFFICE—Ballinger & Co., archts., 12th and Chestnut Sts., soon lets contract 4 story and basement, 142 x 158 ft., rein.-con., brick and steel, plain foundation, Chelton Ave. and Greene St., for Chelton-Greene Corp., c/o architects.

Pa., Phila.—THEATRE—L. Kapner, 213 South Broad St., having plans prepared by W. H. Lee, Schaff Bldg., 1 story, 80 x 175 ft., rein.-con., brick and steel, plain foundation, 31st and Deaming Sts. $150,000.

Pa., Pittsburgh—APARTMENT—J. M. Addys Sons, 116 South Sheridan St., having plans prepared by R. G. Dickson, 6200 Penn Ave., 15 story and basement, 44 x 100 ft., brick and tile, Sheridan Ave. $250,000.

Pa., York — OFFICE — Manufacturers Assn., of York, soon lets contract 4 story and basement, 54 x 66 ft., rein.-con., brick, stone and steel, plain foundation, North Duke and Clark Aves. $150,000. J. B. Hamme, York, archt.

Miss., Gulfport—HOTEL—Markham Hotel Co., c/o A. L. Jagoe, 1st Natl. Bank, plans 8 story, 123 x 265 ft., rein.-con., brick and stone, 23rd Ave. and 14th St. $1,000,000. J. W. Billingsley, Interstate Bank Bldg., New Orleans, La., archt.

La., Alexandria — MASONIC — Masonic Benevolent Assn., C. N. Adams, pres., soon takes bids 4 story and basement, 103 x 106 ft., rein.-con., brick and steel, 4th and Johnson Sts. $225,000. S. Stone, Jr., Co., 714 Union St., New Orleans, archts. H. J. Duncan, P. O. Box 885, Alexandria, engr.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—Euclid Overlook Co., c/o F. N. Riley, Hanna Bldg., having plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 4 story and basement, brick, steel and concrete, Cedar Rd. $600,000.

O., Columbus—Y. W. C. A., 60 South 3rd St., having plans prepared by Miller & Reeves, 20 South 3rd St., 8 story and basement, 90 x 185 ft., brick, steel, stone and concrete, incl. pool, etc., South 4th St. $600,000.

Ind., Evansville—OFFICE—H. F. Koch, 4th and Vine Sts., had plans prepared 12 story and basement, rein.-con., brick, steel and terra cotta office building. $600,000. Private plans.

Ind., Huntington — TEMPLE — Masonic Temple soon takes bids superstructure 2 story and basement, 61 x 100 ft. temple. $150,000. Contract for foundation awarded to M. W. Allen, Huntington. Noted May 6.

Ind., Sullivan—COURT HOUSE—Comrs. Sullivan Co., A. M. Carter, aud., having plans prepared by J. B. Bayard, Vincennes, rein.-con., steel and Bedford stone court house. $400,000.

Mich., Highland Park (Detroit P. O.) — CITY HALL—City having plans prepared by Burrowes & Eurich, 3633 Cass Ave., Detroit, 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, Gerald Ave. $250,000.

Ill., Chicago—APARTMENT—R. B. Kurzon, archt., 30 North Dearborn St., soon lets contract 7 story, 80 x 127 ft., rein.-con., brick and stone, 426 Briar Pl., for Syndicate, c/o architect.

Ill., Chicago — HOTEL — M. Plotke, 111 West Washington St., will not construct 25 story, 175 x 186 ft. hotel, 7th St. and Wabash Ave. $5,000,000. Project abandoned. Noted Feb. 18.

Ill., Chicago—STORE and OFFICE—J. L. Guyon, 124 North Crawford Ave., will not construct 10 story, 75 x 100 ft., Washington Blvd. and Crawford Ave. Project abandoned. Noted Nov. 12.

Wis., Madison — CLUB — Fraternal Order Eagles, C. A. Kraft, pres., 23 East Main St., having plans prepared by F. L. Kronenberg, Carroll Blk., 3 story and basement, rein.-con. and steel, West Doty St. $150,000.

Wis., Milwaukee — THEATRE, etc. — Teutonia Theater Co., c/o E. Wurster, 425 East Water St., having plans prepared by S. N. Loftus, Watertown Plank Rd., 2 and 3 story, 110 x 160 ft., brick, concrete and terra cotta, plain foundation, Teutonia Ave. $350,000.

Ia., Cedar Rapids — MASONIC CONSISTORY—Consistory 2, A. A. & S. R., c/o P. Clark, master, having preliminary plans prepared 3 story and basement, 140 x 180 ft., rein.-con., brick and stone. $300,000.

Ia., Mt. Ayr — COURT HOUSE — Ringgold Co. election June 7 $150,000 bonds, new court house. Noted Nov. 26.

Neb., Omaha — THEATRE — Orpheum Circuit, c/o M. Singer, genl. mgr., 1301 Madison Park, Chicago, Ill., having plans prepared by C. W. and G. L. Rapp, 1749 Howard St., Chicago, Ill., and takes bids about June 15, 3 and 6 story and basement, 132 x 165 ft., brick and stone, 5th and Harney Sts. $1,000,000. Noted Feb. 11.

N. D., Lakota—COURT HOUSE—Nelson Co., election June 30, $150,000 bonds, court house. P. Jorgenson, aud.

Mo., Cassville—HOSPITAL—Barry Co. election Aug. 3, $150,000 bonds, hospital.

Mo., Kansas City—APARTMENTS—J. C. Nichols Companies, Commerce Bldg., had preliminary sketches made by Wilkinson & Crans, Interstate Bldg., 31 apartment buildings, on 15 acre site, 49th, Ward Parkway, Main to Wornall Rd. $5,000,000-$7,000,000.

Mo., Kansas City — APARTMENT HOTEL—Fisher Building Co., Commerce Bldg., having plans prepared by C. A. Smith, Finance Bldg., 8 story and basement, 80 x 110 ft., rein.-con., Brush Creek and Oake Sts.

Mo., Kansas City—APARTMENT—Interstate Investment Co., c/o DeFoe & Besecke, archts., 17th and Baltimore Sts., having plans prepared 8 story and basement, steel, Central St. $450,000.

Mo., Kansas City — BANK — New England Natl. Bank & Trust Co., 10th St. and Baltimore Ave., plans 10 story bank addition. $1,000,000. Engineer and architect not selected.

Mo., St. Louis — COMMUNITY HOUSE and THEATRE, etc. — German House Society, Inc., 2345 Lafayette Ave., having preliminary plans prepared rein.-con., brick and stone, on 100 x 260 ft. site, Lafayette Ave. $400,000. Private plans.

Mo., St. Joseph — THEATRE — Missouri Theatre having plans prepared by Boller Bros., 114 West 10th St., Kansas City, and takes bids about June 1, 2 story and basement, 76 x 140 ft., rein.-con., brick and terra cotta theatre, here. $250,000.

Ark., Helena — WAREHOUSE — Wharf Impvt. Dist. 1, E. M. Allen, comr., 871 Shrine Bldg., soon lets contract 100 x 300 ft., rein.-con. and brick terminal warehouse, embankment, tracks, etc. $400,000. W. F. Schultz, 871 Shrine Bldg., Memphis, engr.

Ark., Pine Bluff—MASONIC—Pine Bluff Shrine, C. H. Bollinger, 218 East 6th St., chn., soon takes bids 3 story and basement, rein.-con., tile, stucco and steel, Martin and Pine Sts. $250,000. M. Selligman, 206 Pine St., archt.

Okla., Seminole—HOTEL—Seminole Hotel Co., having preliminary plans prepared by Bailey & Alden, 1207 Colcord Bldg., 3 story and basement, 140 x 150 ft., rein.-con. and brick, plain foundation, Main St. $150,000.

Wash., Seattle—APARTMENT HOTEL—M. P. Zindorf (owner and archt.) 802 2nd Ave., preparing plans and takes bids about June 4, 4 story and basement, 140 room, brick and terra cotta, Boren and Olive Sts. $175,000.

Calif., Fresno — LODGE and STORE — B.P.O.E., 439, having plans prepared by E. J. Kump Co., Rowell Bldg., 3 story (ultimately 5 story), fireproof construction. $200,000.

Calif., Los Angeles—APARTMENT—S. Rabinovitch, c/o E. B. Rust, archt., Black Bldg., having plans prepared 5 story and basement, 108 x 144 ft., brick and steel, Catalina and 7th Sts. $250,000 or more.

Calif., San Diego — HOTEL — Syndicate having plans prepared by Parkinson & Parkinson, Title Insurance Bldg., Los Angeles, 13 story and basement, 200 x 200 ft., hotel, A St. $1,000,000.

Calif., San Francisco—APARTMENTS—Marine View Apartments, Inc., c/o G. Stimmel, 211 Crocker Bldg., plans 4 buildings, community type, $350,000-$400,000 each also having plans prepared by W. Polk & Co., 277 Pine St., 13 story and basement, apartment, $350,000, all at Chestnut St. near Larkin St.

Calif., San Francisco — APARTMENT — A. H. Larsen, archt., 447 Sutter St., preparing plans 6 story and basement, rein.-con., vicinity of Vallejo and Gough Sts. $175,000. Owner's name withheld.

Calif., San Francisco — APARTMENT — Nineteen Eighty Vallejo St., Inc., c/o C. Werner, archt., Santa Fe Bldg., having plans prepared 12 story and basement, Vallejo St. near Laguna St. $200,000.

Ont., North Bay — HOSPITAL — Queen Victoria Memorial Hospital, plans 3 story and basement, rein.-con., brick and steel addition, plain foundation, Klock Ave. $150,000. Angus & Angus, Angus Blk., archts.

Ont., Ottawa—HOTEL—Canadian Natl. Rys., 230 St. James St., Que., M. S. Gzowski, ch. engr. constr., plans 7 story, rein.-con., cut stone and steel addition to Chateau Laurier Hotel, plain foundation, Rideau St., here. $500,000.

B. C., Vancouver — HOSPITAL — Vancouver General Hospital Bd., 10th and Heathie Sts., plans hospital addition. $500,000. Engineer and architect not selected.

B. C., Vancouver — HOSPITAL — Vancouver General Hospital, 10th and Willow Sts., had estimates prepared by A. J. Bird, city archt., Holden Bldg., fireproof buildings, Hospital Grounds. $1,758,000.

Bids Desired

Me., Lewiston — HOME — St. Marie's Hospital, Sisters of Charity, taking bids 3 story and basement, brick and steel home. $300,000. Miller, Mayo & Beal, Fidelity Bldg., Portland, archts.

Mass., Attleboro — THEATRE — Eagles Home Building Assn., Inc., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, taking new bids 2 story and basement, 130 x 190 ft., brick, steel and terra cotta, Bank St., here. $175,000. Former bids rejected. Noted Apr. 15.

Mass., Boston — GARAGE — W. P. Delaney, c/o S. S. Eisenberg, archt., 46 Cornhill, taking bids 125 x 190 ft., rein.-con. and steel, Forsyth St. $150,000.

Mass., Bridgewater—THEATRE—A. A. Glick, 52 Broad St., taking new bids 1 story and basement, brick and stone theatre. $150,000. Former bids rejected. G. N. Jacobs, 4 Park St., Boston, archt. Noted May 6.

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Jamaica Plain (Boston P. O.)— APARTMENT—See "Contracts Awarded."

Mass., Worcester — STOREHOUSE — M. J. Whittell Assn., Brussels St., taking bids 4 story and basement, 85 x 125 ft.,

Buildings—Commercial (Continued)

rein.-con. and steel, 1 Brussels St. $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, Archts.

Conn., Bristol—THEATRE—May 27, by Colonial Theatre, Inc., D. A. Peters, 192 South St., New Britain, 2 story and basement, 2,000 seating capacity, brick and steel, Main St. $350,000. Mowll & Rand, 21 School St., Boston, Mass., archt.

Conn., Hartford — BUSINESS — Harvey & Lewis Co., 865 Main St., taking bids 8 story, irregular shape, brick, steel and granite, Main and State Sts. $200,000. Buck & Sheldon, Inc., 60 Prospect St., archts.

Conn., Middletown—OFFICE and STORE—P. J. Stueck, 461 Main St., taking bids 5 story, brick, steel and concrete, Main St. L. P. Ward, 247 Park Ave., New York City, archt. Noted Feb. 4.

Conn., New Haven — THEATRE and STORE — R. Carleton, 55 Hobart St., taking bids 1 story, brick and steel, Whitney Ave. Whitneyville Dist. $150,000. W. H. Day, 44 Kirkham Ave., East Haven, archt. Noted Feb. 18.

N. Y., Manchester—OFFICE—Manchester Traction Light & Power Co. taking bids 3 story and basement, 60 x 100 ft., rein.-con. and brick, Elm and Lowell Sts. $150,000. C. R. Whitcher, 814 Elm St., archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York — APARTMENT and STORE—See "Contracts Awarded."

Pa., Phila.—APARTMENT—J. F. Clark, archt., 23 South 16th St., taking separate bids 4 story and basement, 72 x 104 ft., brick and steel, plain foundation, 3502 Baring St. $200,000. Owner's name withheld.

Pa., Phila.—APARTMENT—May 24, by McIlvaine & Roberts, archts., Otis Bldg., 13 story and basement, 62 x 64 ft., rein.-con., brick and steel, plain foundation, 1720 Rittenhouse St., for C. J. McIlvaine, Otis Bldg. $400,000.

Pa., Phila.—BANK and OFFICE—May 26, by W. H. Lee, archt., Schaff Bldg., 11 story, mezzanine, basement and sub-basement, 49 x 55 ft., rein.-con., brick, stone and steel, plain foundation, Broad and Airdrie Sts., for Natl. Bank North Phila., 3701 North Broad St. $400,000.

Md., Baltimore — WAREHOUSE — See "Contracts Awarded."

Ind., Indianapolis—APARTMENT—See "Contracts Awarded."

Wis., Antigo—BANK—May 25, by Langlade Natl. Bank, 2 story and basement, 72 x 82 ft., rein.-con. and stone, plain foundation. $150,000. Oppenhamer & Obel, Nicollet Bldg., Green Bay, archt.

Wis., Milwaukee — APARTMENT and STORE — C. J. Keller & Son, archts., 432 Bway., taking bids concrete and excavation for 8 story and basement, 65 x 143 ft., brick, concrete and terra cotta, plain foundation, Grand Ave., for F. E. Schaetzke, 1385 Lake Dr. $400,000.

Mo., St. Louis—COURT—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ore., Portland — GARAGE — See "Contracts Awarded."

Calif., Pasadena—EXCHANGE—Parkinson & Parkinson, archts., Title Insurance Bldg., Los Angeles, taking bids 2 story and basement, 80 x 90 ft., steel, brick and rein.-con., Lake and Elizabeth Sts., for Southern California Telephone Co., 740 South Olive St., Los Angeles. Noted Oct. 15.

Bids Received

N. Y., Thiells—ATTENDANTS BUILDING—Superintendent Purchase, Capitol, Albany, May 6, attendants home at Letchworth Village, here, from Bedford & Lyles, Inc., Thiells, $145,594. Noted Apr. 8.

Minn., Cambridge—ADMINISTRATION—State Dept. Administration & Finance, Capitol Bldg., St. Paul, May 4, general contract 2 story and basement, rein.-con., brick and stone administration building at Minnesota Colony for Epileptics, here, from Albee Bros., 1012 Plymouth Bldg., Minneapolis, $161,585. Noted Apr. 22.

Wash., Seattle—OFFICE and STORE—V. W. Voorhees, archt., Eitel Bldg., 10 story, rein.-con. and steel, 6th and Stewart Sts., from West Coast Constr. Co., Seaboard Bldg., for Vance Lumber Co., Eitel Bldg. $166,652.

Contracts Awarded

Me., Norway — BANK — Norway Natl. Bank, H. B. Foster, pres., 2 story and basement, 40 x 65 ft., concrete and stone, Main and Cottage Sts., to Kerr & Houston, 272 Middle St. Portland. Archts. est. $150,000. Noted Apr. 15.

Mass., Cambridge (Boston P. O.) — APARTMENT — Rotenberg & Rudnick, c/o Silverman, Brown & Heenan, archts., 51 Cornhill, Boston, will build 5 story and basement, brick and stone, plain foundation, Memorial Dr., here. $240,000. Work will be done by separate contracts.

Mass., Jamaica Plain (Boston P. O.)—APARTMENT—P. Glazer, 27 School St., Boston, will build 3 story and basement, brick and stone, plain foundation, here. $200,000. Work will be done by separate contracts. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts. Noted Dec. 17.

Mass., Springfield—APARTMENT—D. E. Burbank, 6 story and basement, 96 x 150 ft., brick and steel, High and Maple Sts., to E. J. Pinney Constr. Co., 374 Main St. Archts. est. $250,000.

Conn., Middletown — HOSPITAL — State Hospital for Insane, F. M. Slamon, comptroller, State House, Hartford, 2 of 3 new buildings, additions to South and Middle buildings, brick and steel, to S. Mazzotta, Mazzotta Pl. Archts. est. to exceed $150,000. Noted Jan. 21.

Conn., Wallingford—ADMINISTRATION—Gaylord Sanatorium, D. R. Lyman, doctor, 3 story, 45 x 126 ft., stone and tile Gaylord Farm, to C. F. Wooding Co., 43 Wallace Ave. Archts. est. $150,000. Noted Feb. 4.

N. Y., Jamaica — STATION HOUSE — Police Dept., Center St., New York City, police station, 91st Ave. and 168th St., here, to Lustbader & Lutz Constr. Co., 103 Park Ave., New York City, $197,000.

N. Y., Montauk — HOTEL — Montauk Beach Development Co., C. G. Fisher, pres., 52 Vanderbilt Ave., New York City, brick, steel and stone, plain foundation, here, to Montauk Struck Co., Inc., Montauk. Noted Apr. 15.

N. Y., New York — APARTMENT — Spoffard Impvt. Co., c/o L. Piscotta, engr. and archt., 565 East Tremont Ave., will build 5 story, brick, steel and stone, plain foundation, Lebanon Ave., by day labor. $175,000.

N. Y., New York—OFFICE and LOFT—A. Adelson, 680 6th Ave., 21 story, brick, steel and stone, plain foundation, Park Ave., to Shroeder & Koppel, 347 Madison Ave. Archts. est. $4,000,000.

N. Y., New York—APARTMENTS—Bing & Bing, 119 West 40th St., will build two 15 story, brick, steel and stone, plain foundations, West End Ave. $1,000,000 each. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Bing & Bing, 119 West 42nd St., will build 15 story, brick, steel and stone, lain foundation, East 57th St., by day labor. $1,000,000.

N. Y., New York — APARTMENT — Naples Holding Corp., c/o A. E. Schaefer, engr. and archt., 645 East Tremont Ave., will build brick, steel and stone, plain foundation, East 232nd St., by day labor. $200,000.

N. Y., New York — APARTMENT and STORE—Walart Constr. Co., Inc., L. Wolf, pres., 2305 University Ave., will build 6 story, brick, steel and stone, plain foundation, Davidson Ave. and 183rd St., by day labor. $300,000.

N. J., Trenton—FIRE HEADQUARTERS—City Comn., general contract 2 and 4 story fire headquarters, Perry St., to J. H. Morris Co., 211 North Montgomery St., $268,896. Noted May 13.

Md., Baltimore — WAREHOUSE — Consolidated Gas Electric Light & Power Co., East Monument St., will build 4 story and basement, 156 x 183 ft., rein.-con., plain foundation, 537-39 East Monument St., by day labor. $265,000. Private plans.

Pa., Easton — OFFICE — Lehigh Valley R.R. Co., G. T. Hand, ch. engr., 143 Liberty St., New York City, N. Y., 1 and 2 story and basement, 65 x 365 ft., rein.-con., brick and steel passenger and freight office, etc., to F. D. Hyde, Inc., 90 West St., New York City, N. Y. Engrs. est. $150,000. Noted Apr. 15.

Pa., Norristown—BANK and OFFICE—Montgomery Trust Co., 7 story and basement, 30 x 200 ft., rein.-con., brick and steel, plain foundation, East Main St., to F. R. Heavner, Boyer Arcade.

Pa., Phila. — APARTMENT — J. Scutti, Jefferson Bldg., 4 story and basement, 46 x 167 ft., brick and steel, plain foundation, 4205 Chestnut St., to W. P. Cameron Eng. Co., Packard Bldg. Archts. est. $150,000.

Pa., Phila. — AUCTION SALES — L. P. Kimball, engr. Buildings of Baltimore & Ohio R.R. Co., Baltimore, Md., (1st unit), 2 story, 114 x 1,026 ft., rein.-con. and brick, plain foundation, Delaware Ave. and Jackson St., here, to United Gas Impvt. Co., Broad and Arch Sts., for Baltimore & Ohio R.R. Co., Baltimore, Md., and Reading Co., Reading Terminal Bldg. Total $4,000,000. Noted May 6.

Pa., Phila.—BANK—W. L. Blithe, archt., 608 Chestnut St., 2 story and basement, 24 x 214 ft., rein.-con. and brick addition, 52nd and Market Sts., to Jacob Myers Sons Co., Witherspoon Bldg., for Market St. Title & Trust Co. Noted Apr. 22.

Pa., Phila. — STORE — Z. Rosenfeld, 2,900 North 5th St., 3 story and basement, 40 x 90 x 220 ft., rein.-con., brick and steel, plain foundation, 5611-13 North 5th St., to J. W. Emery Co., 34 South 16th St.

Pa., Phila.—WAREHOUSE—R. Benckert, archt., Bellevue Court Bldg., 8 story and basement, 90 x 99 ft., rein.-con., brick and steel, 210 South 10th St., to Ketcham & McQuade, 1029 Brown St., for Horn & Harhardt, 210 South 10th St. Archts. est. $500,000. Noted Apr. 29.

Pa., Pittsburgh — HOTEL — Kelkearys Hotel, 9th St., general contract 6 story and basement, brick and steel addition, to Taylor Meyer Co., Keystone Bldg. Archts. est. $150,000. Noted Apr. 8.

Va., Richmond — WAREHOUSE — P. Lorillard Co., 2300 East Cory St., 6 story, 158 x 253 ft., rein.-con., plain foundation, to White Constr. Co., 95 Madison Ave., New York City, $600,000.

S. C., Charleston—BARRACKS—Citadel Military Academy & State of South Carolina, 70 room barracks, to Gallivan Building Co., Greenville. Archts. est. $300,000. Noted Apr. 29.

N. C., Greensboro—BANK and OFFICE—Greensboro Bank & Trust Co., 12 story and basement, 72 x 144 ft., granite and marble, to Angle & Blackford, Greensboro, about $900,000. Noted Mar. 11.

Miss., Gulfport—BANK and OFFICE—N. W. Overstreet, archt., Jackson, general contract 7 story, 50 x 75 ft., rein.-con., stone and terra cotta, 14th St. and 25th Ave., to A. C. Stamford, Montgomery, Ala., $157,000., for bank of Gulfport. Noted Apr. 15.

Miss., Jackson — EXCHANGE — Moyre, Alger & Alger, archts., Walton Bldg., Atlanta, Ga., 3 story, rein.-con. exchange, here, to A. J. Krebs, Walton Bldg., Atlanta, Ga., for Cumberland Telephone & Telegraph Co., Hurt Bldg., Atlanta, Ga. Archts. est. $200,000. Noted Apr. 22.

O., Dayton—STORE—Home Store, Inc., S. Schaffer, secy., East 3rd St., 5 story, brick and rein.-con., plain foundation, 3rd St., to F. H. Smith, Winters Bldg., $500,000.

Ind., Bluffton—CITY HALL—City, S. J. Moomaw, city clk., general contract 2 story and basement, 105 x 129 ft., brick and steel city hall, to Sheets & Carlson, Ft. Wayne. Archts. est. $150,000. Noted Apr. 8.

Ind., Indianapolis — APARTMENT — A. Baynham, 3530 North Pennsylvania St., will build 3 story and basement, 100 x 144 ft., brick and rein.-con., 3419-37 North Pennsylvania St. $150,000. Work will be done by separate contracts.

Ind., Indianapolis—APARTMENT—H. L. Moody & Co., 3370 College Ave., will build Biltmore Apartment, 3 story and basement, 79 x 200 ft., brick and steel, 35th and Meridian Sts. $200,000. Work will be done by separate contracts. George & Zimmerman, 501 Meyer-Kiser Bank Bldg., archts. Noted Mar. 25.

Ind., La Fayette—BANK—Natl. Fowler Bank, general contract rein.-con., steel and Bedford stone, to A. E. Kemmes, La Fayette. Archts. est. $150,000.

Ind., Muncie—THEATRE—Muncie Theatre Realty Co., general contract 2 story and basement, brick, steel and rein.-con., Mulberry and Adams Sts., to L. Colvin, Bd. Trade Bldg., Indianapolis. $400,000.

Mich., Detroit — APARTMENT — G. J. Hilsendgen, 108 Lochmoor Ave., 13 story and basement, rein.-con., brick and steel, plain foundation, John R. St., to Martin-Krausman Co., 955 East Jefferson Ave. Archts. est. approximately $1,200,000.

Mich., Detroit—HOTEL—W. A. Montgomery, 2005 Penobscot Bldg., 4 story and basement, 100 room, rein.-con., brick and steel, plain foundation, 3rd Ave., to Standard Constr. Co., 817 Donovan Bldg. Archts. est. $200,000.

Mich., Detroit—LODGE—United Arbiter Assn., 3638 Gratiot Ave., 3 story and basement, 120 x 160 ft., rein.-con., brick and steel, plain foundation, Maxwell and Seminole Aves., to M. Bartholomaei Son & Co., 1574 East Warren Ave. Archts. est. $500,000.

Mich., Grosse Pointe (br. Detroit)—CLUB HOUSE — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation, Weir Rd., here, to F. N. Cooper Co., 6370 Gratiot Ave., Detroit, for Grosse Pointe Country Club. Archts. est. $350,000. Noted Mar. 25.

Mich., Highland Park (br. Detroit)—EXCHANGE—Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 2 story and basement, 100 x 146 ft., rein.-con., brick and steel, plain foundation, Highland Ave., here, to Everett Winters Co., 1024 Book Bldg., Detroit, for Michigan Bell Telephone Co., Cass Ave., Detroit. Archts. est. $150,000. Noted Mar. 11.

Mich., Pontiac — HOSPITAL — Oakland Co., Court House Annex, 2 story and base-

Buildings—Commercial (Continued)

ment tuberculosis hospital, rein.-con. and brick, plain foundation, Waterford Twp., to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $299,000. Noted Apr. 1.

Wis., Milwaukee—BUSINESS—Munkwitz Realty Co., 177 Muskego Ave., 5 story and basement, 73 x 120 ft., rein.-con. and brick, plain foundation, Milwaukee and Mason Sts., to Foster Constr. Co., 114 Grand Ave. Archts. est. $175,000. Noted Mar. 25.

Kan., Wichita—BUSINESS—C. L. and F. C. Brocius, c/o Schmidt, Boucher & Overland, archts., Wichita, 6 story and basement, 50 x 120 ft., rein.-con., brick and stone, Douglas and Lawrence Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg. Archts. est. $350,000.

N. D., Fargo—BUSINESS—Fargo Forum, general contract 3 story and basement, 78 x 142 ft., rein.-con., brick and terra cotta, 5th St. and 1st Ave. N., to Meinecke & Johnson Co., Fargo, $120,970.

Mo., Kansas City—CLUBHOUSE—Kansas City Country Club, 1½ story and basement, 150 x 200 ft., rein.-con. and brick clubhouse, to Swenson Constr. Co., Schubert Bldg. Archts. est. $250,000.

Mo., St. Louis—APARTMENT—Joyner Realty Co., 594 Arcade Bldg., 8 story and basement, 137 x 188 ft., reni.-con., brick and stone, 5610 Enright Ave., to Harrison-Kopman Constr. Co., 594 Arcade Bldg. Archts. est. $400,000.

Mo., St. Louis — APARTMENT and STORE — M. Costa et al, 7th and Carr Sts., 3 story and basement, 100 x 110 ft., rein.-con., brick and stone, 6246-52 Delmar Blvd., and 554-64 Limit St., to Rallo & Brugman, 5746 Easton St.

Mo., St. Louis — HOTEL and APARTMENT — Local Syndicate, c/o E. Thompson, Pierce Bldg., 8 story and basement, rein.-con., brick, stone, steel and terra cotta, Delmar Blvd. and Euclid Ave., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $1,300,000.

Mo., St. Louis—SALES—J. L. Babler, 1909 Ry. Exch. Bldg., 1 and 2 story and basement, 209 x 275 ft. rein.-con., brick and stone, 4126-48 Lindell Blvd., to McKelvey Constr. Co., Title Guaranty Bldg. Archts. est. $175,000.

Mo., St. Louis—STORE and APARTMENT—Local Syndicate, 3 story and basement, 99 x 143 ft., rein.-con., brick and stone, Union and Delmar Blvds., to W. H. Smith-Nelson Cunliffe Co., 110 North 7th St.

Ark., El Dorado—BANK and OFFICE—Exchange Realty Co., Exch. Bldg., G. W. James, pres., general contract 10 story, 100 x 100 ft., rein.-con., brick, stone and steel, Washington and Oak Sts., to Stewart & McGehee Constr. Co., Kahn Bldg., Little Rock, $385,000. Noted Mar. 11.

Ark., Hot Springs — HOTEL — Majestic Hotel Co., H. A. Jones, mgr., 8 story and basement, 48 x 158 ft., rein.-con., brick and terra cotta, Park and Central Sts., to Herman & McCain Constr. Co., Reigler Bldg., Little Rock. Archts. est. $400,000. Noted Apr. 22.

Tex., Galveston—WAREHOUSE, etc.—Galveston Wharf Co., c/o E. M. Gossreau, 2324 Ave. B, 2 story, 200 x 300 ft., and 1 story, 200 x 1,200 ft. rein.con. and steel warehouse and wharf shed, to W. A. Kelso, 2215½ C St., $1,000,000. Noted Apr. 15.

Tex., San Antonio—COURT HOUSE—Phelps & DeWees, engrs. and archts., Gunter Bldg., also E. I. Jackson & M. G. Williamson, archts., c/o Builders Exch. Bldg., general contract remodeling and constructing 5 story and basement, rein.-con., brick, tile addition, plain foundation, Main Plaza, to Walsh & Burney, 928 North Flores St., $976,846; heating, ventilating and plumbing, to Jud & Ormand, 703 North Flores St., $125,608. Noted May 6.

Okla., Alva — HOTEL — Chamber Commerce, 6 story and basement, 42 x 72 ft., rein.-con. and brick hotel, to G. Buxton, Enid. Archts. est. to exceed $150,000. Noted Oct. 29.

Okla., Oklahoma City — OFFICE — Layton, Hicks & Forsythe, archts., Braniff Bldg., 4 story and basement, 70 x 150 ft., rein.-con. and stone, plain foundation, 13th St., to J. H. Frederickson & Co., Baltimore Bldg., for Mid-Continent Life Insurance Co., 200 North Robinson St. $325,000. Noted Apr. 15.

Wash., Olympia—BANK—A. H. Albertson, archt., Henry Bldg., Seattle, 5 story and basement, 60 x 120 ft., rein.-con. and terra cotta, 4th and Washington Sts., to Dawley Bros., Olympia, $233,500. Former contract rescinded. Noted Apr. 8.

Wash., Tacoma — LODGE — Tacoma Masonic Order, 743 Market St., 5 story, 124 x 134 ft., rein.-con., cast stone and steel, South 2nd and St. Helens Sts., to Chalmers & Biehns, Tacoma, $386,500. Archts. est. $400,000.

Ore., Portland—GARAGE—Pacific Properties Co., 272 U. S. Bank Bldg., will build 6 story, 100 x 200 ft., rein.-con., plain foundation, 5th St. between Salmon and Taylor Sts., by day labor. $360,000. A. E. Doyle, Pacific Bldg., archt.

Calif., Alameda — LODGE — Masonic Orders of Alameda, 2 story and basement, steel and rein.-con., Park St. and Central Ave., to Jacks & Irvine, 180 Jessie St., San Francisco, approximately $152,000. Noted May 6.

Calif., Berkeley—LODGE and STORE—I. O. O. F. Hall Assn., general contract 3 story and basement, steel and rein.-con., Bancroft Way, to Conner & Conner, 1726 Grove St., Oakland. $135,250. Noted May 13.

Calif., Beverly Hills — CLUB — Beverly Hills Club, Inc., 2 story, 125 x 170 ft., rein.-con., Roxbury Dr., to F. R. Johnson, 101½ Wilshire Blvd. $150,000 or more. Noted Apr. 15.

Calif., Compton—MAUSOLEUM—Angeles Abbey Mausoleum Park Co., rein.-con. mausoleum, to C. N. Fink, Pacific Southwest Bank Bldg., Long Beach, approximately $165,000.

Calif., Hayward—WAREHOUSE—Hunt Bros. Packing Co., 2 Pine St., San Francisco, 1 story, rein.-con., here, to P. J. Walker Co., Sharon Bldg., San Francisco, $150,000.

Calif., Long Beach—APARTMENT—Les Chateaux Apartments, 7 story and basement, 52 x 78 ft., rein.-con., Ocean Ave., to Stradley, Newton & Wilkie, Markwell Bldg., approximately $250,000.

Calif., Los Angeles — APARTMENT — Bergeron & Greenbaum, 430 South La Brea Blvd., 5 story and basement, 80 x 140 ft., rein.-con., McCadden Pl., to Sarver & Zoss, 641 North Plymouth Blvd., $175,250.

Calif., Los Angeles—THEATRE—Hollywood Music Box, Inc., Hollywood, 2 story, rein.-con., 950 seating capacity, 6120 Hollywood Blvd., to W. Simpson Constr. Co., Bank of Italy Bldg., $168,000. Noted Oct. 15.

Calif., Los Angeles — THEATRE and STORE—P. B. Brunson & M. B. Pringle, 2 story, 90 x 175 ft., brick, Hollywood Blvd. near Gower St., to W. Simpson Constr. Co., Bank of Italy Bldg., $168,000.

Calif., Los Angeles — THEATRE and LODGE — Chotiner Amusement Co., c/o R. D. King, archt., Van Nuys Bldg., 2 story, 130 x 137 ft., brick, 9th St. and La Brea Ave., to J. F. Kuhns, 175 West 37th Pl. Noted Feb. 18.

Calif., Pasadena—APARTMENT—O. M. Packard, 24 South Mentor Ave., 4 story and basement, 57 x 155 ft., brick, South Mentor Ave., to Union Eng. Co., Bartlett Bldg., Los Angeles, $150,000.

Calif., San Diego—THEATRE, STORE and LOFT—Kass & Rubin, Bank of Italy Bldg., Los Angeles, 8 story, 100 x 200 ft., rein.-con., 2,000 seating capacity C St. between 3rd and 4th Sts., to Edwards, Wildey & Dixon, Edwards Wildey Bldg., Los Angeles, $220,400. West Coast Theatres Inc., leasee.

Calif., Taft—HOTEL—S. Orloff, brick and concrete, 5th and North Sts., to L. A. Building & Contg. Co., Marsh-Strong Bldg., Los Angeles, approximately $225,000.

Buildings—Industrial

Proposed Work

Me., Rockland—CEMENT PLANT—Consolidated Cement Co., Chicago, Ill., c/o Great Western Portland Cement Co., Land Bank Bldg., Kansas City, Mo., plans cement plant, here. $3,000,000. Nowham Eng. Co., 111 West St. Monroe St., Chicago, Ill., engrs.

Mass., Boston—FACTORY—Boston Cutting Die Co., E. W. Hanson, 202 A St., South Boston, having preliminary plans prepared 1 story, brick, Old Colony Ave. and Cottage St., here. $50,000. Private plans.

Mass., Boston — PRINTING PLANT — Boston Publishing Co., R. L. O'Brien, pres., 171 Tremont St., plans 2 story, brick printing plant. $50,000 or more. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—FACTORY—McHugh Realty Co., 4 Osborne St., having plans prepared altering and constructing 4 story and basement, brick addition, Sidney St. $40,000 or more. Private plans. Noted Dec. 17.

Mass., Somerville (br. Boston)—MANUFACTURING — Agar Mfg. Corp., C. A. Agar, pres., 15 Winchester St., plans 2 story, brick, near Lowell St. $50,000. Engineer and architect not selected.

Mass., Winchester — FACTORY — Winchester Gelatine Co., W. A. Perkins, Cross St., plans 2 or more story, brick addition, $40,000 or more. Engineer and architect not selected.

N. Y., Buffalo—FLOUR MILL—Standard Milling Co., 49 Wall St., New York City, having plans prepared by Baxter Eng. Co., Ellicott Sq. Bldg., flour mill, Tifft Farm, here. $4,000,000.

N. Y., New York — POWER HOUSE — New York Steam Co., 280 Bway., plans rein.-con. brick and steel, plain foundation, East 35th St. $400,000. Private plans.

Pa., Aliquippa—BOILER PLANT—Jones & Laughlin Steel Corp., Ross St., Pittsburgh, authorized Dwight P. Robinson & Co., engrs., 126 East 46th St., New York City, N. Y., to prepare plans and specifications, 18,000 hp. boiler plant, here.

Pa., Hanover — SILK MILL — Brilliant Silk Mfg. Co., 384 4th Ave., New York City, N. Y., having plans prepared by F. W. Wentwork, 140 Market St., Paterson, N. J., 1 story, 65 x 123 ft. silk mill, here. $75,000.

Pa., Lewistown—GAS PLANT—Penn Central Light & Power Co., J. H. Shearer, vice pres. and genl. mgr., Union Ave. and 18th St., Altoona, making preliminary plans rein.-con. and steel gas plant, here or near by.

Pa., Phila.—MILL—Harris & Richards, archts., Drexel Bldg., soon lets contract 3 story and basement, 54 x 205 ft., rein.-con. and brick, plain foundation, 5th and Courtland Sts., for Gotham Silk Hosiery Co., 389 5th Ave., New York City. Noted Apr. 22.

N. C., Salisbury—DYE WORKS—F. A. Tomaline Silk Dye Wks., c/o Chamber of Commerce, Salisbury, purchased 10 acre site and plans dye works. $125,000.

Fla., Tampa—LAUNDRY—Snow White Laundry, W. S. Browning, pres., purchased site and plans laundry, Cypress and Mantanzas Sts. $150,000.

La., Gouldsboro (mail McDonoghville)—ENGINE TERMINALS and SHOPS—Texas & Pacific R.R. Co., E. F. Mitchell, ch. engr. Dallas, Tex., had tentative plans prepared engine terminals and shops, here. $1,500,000.

Tenn., Columbia—ICE PLANT—Maury Co. Ice Co. plans ice plant. $40,000 funds being raised for same.

Tenn., Nashville—SERVICE STATIONS—Blackwood Tire & Battery Co., 914 Broad St., plans 10 auto tire, gasoline and battery service stations in Nashville and adjacent towns. To exceed $40,000.

Tenn., Nashville—TEXTILE MILLS—T. Henry & Sons, Inc., Trenton Ave. and Tioga St., Phila., Pa., having plans prepared by Marr & Holman, Stahlman Bldg., Nashville, new textile mill, here. $250,000. Roberts & Co., Bona Allen Bldg., Atlanta, Ga., engrs.

Ind., Gary—REFINERY—Standard Oil Co. of Indiana, having plans prepared refinery. $1,000,000.

Wis., La Crosse — LAUNDRY — Modern Steam Laundry Co., 312 State St., having plans prepared by W. E. Bennett, 421 West Ave. S., 2 story and basement, brick and concrete, plain foundation, 5th St. $45,000.

Wis., Oshkosh — FINISHING SHOP — Badger Lumber & Mfg. Co., Badger Rd., having plans prepared by Auler & Jensen, F. R. A. Bldg., 1 story, 187 x 215 ft., brick, plain foundation. $60,000.

Wis., Platteville — FOUNDRY — Russell Fdry. Co., F. Russell, mgr., plans 1 story, 38 x 110 ft., rein.-con., brick and steel, plain foundation. $40,000. Engineer and architect not selected.

Wis., Shawano — HYDRO-ELECTRIC PLANT—Wisconsin Power & Light Co., 16 North Carroll St., Madison, having plans prepared rein.-con., brick and steel hydro-electric plant, on Wolf River. $50,000. Private plans.

Wis., Soldiers Grove — PLANT — Interstate Power Co., H. C. Ortin, mgr., Dubuque, Ia., having plans prepared 1 story, rein.-con., brick and steel hydro-electric plant, here. $75,000. Private plans. Noted Apr. 29.

Neb., Omaha—SERVICE and GARAGE—Metropolitan Utilities Dist., City Hall, rejected bids Apr. 27, garage and service building, 20th and Center Sts. $275,000. J. Latenser & Sons, Peters Trust Bldg., archts. Will readvertise. Noted May 13.

Mo., Kansas City—POWER PLANT—Sisters of St. Mary, St. Marys Hospital, 2800 Main St., soon let contract power and refrigerating plant, also 300 ft. rein.-con. underground tunnel, Baltimore Ave. $100,000. Burns & McDonnell, 402 Interstate Bldg., engrs.

Mo., St. Louis — FACTORY — Carter Carburetor Co., 2838 North Spring Ave.,

Buildings—Industrial (Continued)

had plans prepared by W. P. McMahon, 819 Buder Bldg., 2 story and basement, 35 x 50 ft., rein.-con. and brick, Spring Ave. $50,000.

Tex., Galveston — PACKING HOUSE — High Grade Packing Co., c/o J. Tramont, 2677 Ave. D., having plans prepared by Stowe & Stowe, 311½ 22nd St., 2 story rein.-con., tile and steel packing house. $50,000.

Tex., Goliad—ICE PLANT—Texas Central Power Co., c/o Frost Bldg., San Antonio, having plans prepared 40 ton ice plant. $50,000. Private plans.

Tex., Goliad—POWER PLANT—Texas Central Power Co., c/o N. P. Neiswanger, Frost Bldg., San Antonio, having plans prepared electric power plant. $40,000. Private plans.

Tex., Shelbyville — COLD STORAGE PLANT—Nacogdoches Ice Cream Co. plans brick and tile cold storage plant. $35,000. Private plans.

Okla., Poteau — LIGHT PLANT — City had preliminary plans prepared 400 hp. diesel engine electric light plant. $60,000. J. E. Davis, Poteau, engr.

Wash., Shelton — FACTORY — Rainier Pulp & Paper Co. having plans prepared by V. D. Simons, 431 North Michigan Ave., Chicago, Ill., 75 ton sulphite pulp and paper mill, concrete.

Calif., Fresno—FACTORY—W. C. Cook & Co., Inc., Clovis, plans 2 story, 50 x 150 ft., brick P and San Benito Sts., here. $40,000.

Calif., Fullerton—CANNING PLANT—Interests represented by A. Cutler, Ontario, had plans prepared 100x300 ft., frame and corrugated iron, Highland Ave. $40,000 or more.

Calif., Hollydale—MILL—Los Angeles Knitting Co., 3511 South Park Ave., Los Angeles, had plans prepared by Hamm & Grant, Inc., 607 Ferguson Bldg., Los Angeles, 1 story, 150 x 150 ft. knitting mill, Main St. and Kentucky Ave. $40,000.

Calif., Huntington Park (br. Los Angeles) — FACTORY — Los Angeles Ladder Co., 1630 South Central Ave., Los Angeles, having plans prepared 120 x 120 ft. main building, 60 x 150 ft. warehouse, 60 x 90 ft. machinery building, etc., steel, Alameda Blvd. $40,000. Private plans.

Calif., Los Angeles—MILL—Los Angeles Knitting Co., Inc., 3511 South Park, having plans prepared 1 story, 150x250 ft., knitting mill, brick, Main and Kentucky Sts. $40,000. Hamm & Grant, Inc., Ferguson Bldg., engrs.

Calif., Los Angeles — PLANT — Sperry Flour Co., 141 California St., San Francisco, plans rein.-con. plant, Fruitland and Maywood Aves., here. $400,000.

Calif., Napa—PLANT—F. B. Cox in conjunction with Napa Chamber of Commerce, making estimates pre-cooling plant. $150,000 or more.

Calif., Oakland — SHOPS and PLANT —Black & Decker Mfg. Co., 75 Fremont St., San Francisco, purchased 30,000 sq.ft. site and plans shops and distributing plant, 10th St. and 6th Ave., here.

Calif., Richmond — WAREHOUSE — Standard Sanitary Mfg. Co., 1000 Brannan St., San Francisco, had preliminary plans prepared by J. J. Donovan, Tapscott Bldg., Oakland, 2 story, rein.-con. warehouse, here. $250,000.

Calif., Vernon (mail Watts)—PLANT—Baldridge Packing Co., Inc., Los Angeles, had plans prepared by J. Allen, archt. and engr., 1210 90th Pl., 2 story, 47 x 138 ft. packing plant, incl. refrigeration plant, etc., 3103 East Vernon Ave., here. $40,000.

Que., Limoilan—SHOPS—Quebec Power Co. soon takes bids repair and car construction shops. $500,000.

Ont., Stratford — FURNITURE FACTORY — Kroehler Furniture Co., c/o F. Trebell, mgr., having plans prepared factory addition, etc. $250,000.

Ont., Woodbridge—TANNERY—W. Edwards, pres. Woodbridge Tannery, plans rebuilding tannery, recently destroyed by fire. $250,000.

Bids Desired

Mass., Salem—PRINTING PLANT—See "Contracts Awarded."

Pa., Abington—POWER HOUSE—May 24, by Abington Twp. School Bd., C. M. Doll, Glenside, 2 story, basement and subbasement, 57 x 84 ft., rein.-con. and steel, plain foundation. Heacock & Hokenson, 1211 Chestnut St., Phila., archts.

La., Alexandria—OAK FLOORING MILL See "Contracts Awarded."

Ind., La Fayette—FACTORY—Standard Wood Co., c/o G. L. Potter, taking bids 1 story, 100 x 166 ft., brick and steel factory. $40,000. Private plans. Noted July 23.

Wis., Luck — PLANT — Atlas Cooperative Creamery Co. taking bids 2 story and basement, 50 x 56 ft., rein.-con. and brick, dairy plant and creamery, plain foundation. Kampfer & Buetow, 1380 Blair St., St. Paul, Minn., archt.

Tex., Brownsville—POWER PLANT—Pub. School Bd. taking bids 1 story, brick, tile and concrete power plant. $40,000. H. P. Smith, c/o Natl. Bank of Commerce, San Antonio, engr.

Tex., Sinton — PLANT — See "Contracts Awarded."

Contracts Awarded

Me., West Buxton—POWER PLANT—Cumberland Co. Power & Light Co., power plant, to Foundation Co., 120 Liberty St., New York City. Engrs. est. $500,000.

Mass., Adams — PLANT — New England Lime Co., plant addition, to Dwight P. Robinson Co., 125 East 46th St., New York City, N. Y.

Mass., Boston — FACTORY — Garnstein Bros. & Cooper, 1-3 1st St., South Boston, 2 story, 60 x 100 ft., rein.-con. and brick, C and 1st Sts., to J. Slotnick, 448 Bway., Chelsea. Archts. est. $50,000.

Mass., Cambridge (Boston P. O.)—FACTORY—Natl. Co., 110 Brookline St., 2 story, 45 x 95 ft., brick addition, to Parkhurst Building Co., 1078 Boylston St., Boston. Archts. est. $40,000. Noted Apr. 8.

Mass., Holyoke — BOILER HOUSE — City, Gas & Electric Dept., 1 story, brick, to J. P. Kennedy & Co., Inc., 46 Park St. Archts. est. $40,000.

Mass., Lawrence — SERVICE and REPAIR SHOP — Lawrence Gas & Electric Co., 370 Essex St., 4 story and basement, 50 x 80 ft., brick, Methuen St., to L. C. Cyr, Saunders Bldg. Archts. est. to exceed $40,000.

Mass., Salem — PRINTING PLANT — Salem Evening News, Washington St., will build 2 story and basement, brick additional unit, Front and Washington Sts., by day labor, under supervision G. H. Fanning, engr., 212 Essex St. $40,000 or more.

Mass., South Boston (sta. Boston)—FACTORY — Boston Cutting Die Co., E. W. Hanson, 202 A St., 1 story, rein.-con. and brick, Old Colony Ave. and Cottage St., to Wilson & Tomlinson, 201 Devonshire St., Boston. Archts. est. $50,000.

Conn., Bridgeport — FACTORY — H. Isaacs, 226 Oak St., 2 story, 60 x 75 ft., brick and steel, Asylum St., to J. D'Agostino & Sons, Warner Bldg. Archts. est. $40,000. Noted Dec. 24.

Conn., Stamford — PAINT PLANT — Baer Bros., 700-68 Canal St., 2 story, 125 x 132 ft., brick and steel addition, to Thompson & Binger, 103 Park Ave., New York City. Archts. est. $75,000. Noted Apr. 29.

N. Y., Brooklyn — WAREHOUSE — Reliable Warehouse Co., Inc., 193 Bay 19th St., 4 story, 65 x 90 ft. rein.-con., brick and steel addition, also altering 3 story, 40 x 90 ft. warehouse, to Rugge Constr. Co., Inc., 189 Bay 19th St. $90,000.

N. Y., Buffalo — FACTORY — General Electric Co., Electric Bldg., 1 story, 122 x 184 ft., rein.-con., brick and steel addition to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000.

N. Y., New York — POWER HOUSE — New York Steam Corp., 280 Madison Ave., 120,000 hp., brick, steel and stone, plain foundation, East 35th St., to D. P. Robinson & Co., 125 East 46th St. Archts. est. $400,000. Noted May 20.

N. J., Bridgeton—SHOP—H. Z. Cutler Co., 505 Arch St., Camden, 1 story, 140 x 250 ft., rein.-con., brick and steel, plain foundation, to G. Maier & Bro., Bridgeton.

Pa., Harrisburg—PRINTING PLANT—Mt. Pleasant Press, J. H. MacFarland, pres., Mulberry and Crescent Sts., 3 story and basement, 100 x 102 ft., rein.-con., brick and steel, plain foundation, Mulberry and Crescent Sts., to R. S. Shoemaker, 2108 Walnut St. Noted Apr. 22.

Pa., Phila.—MILL—Artcraft Silk Hosiery Co., M and Torresdale Sts., 1 story and basement, 96 x 160 ft., rein.-con. and brick, plain foundation, to W. Steele & Sons Co., 219 North Broad St. Archts. est. $40,000.

Pa., Phila.—FACTORY—Bisbee Linseed Co., Drexel Bldg., 5 story and basement, 100 x 150 ft., rein.-con. and brick, plain foundation, Delaware and Bigler Sts., to J. N. Gill Constr. Co., 121 North Broad St.

Pa., Phila.—FACTORY—Glove Dye Wks., R. D. Greenwood, pres., Worth and Kinsey Sts., 4 story and basement, 59 x 131 ft., rein.-con. and brick, plain foundation, to F. V. Warren Co., 1913 Arch St. Noted Apr. 1.

Pa., Phila.—MACHINE SHOP—A. E Pausser, 1055 Locust St., 2 story and basement, 42 x 60 ft., brick and stone, plain foundation, 738 South 42nd St., to W. M. Manuel, 5849 Ellsworth St. Archts. est. $50,000.

Pa., Phila. — MILL — M. Sarfert, 4092 North 13th St., 2 story and basement, 52 x 127 ft., rein.-con., brick and steel, plain foundation, M and Butler Sts., to G. Kessler Contg. Co., 1733 North Marvine St. Archts. est. $40,000.

Pa., Pittsburgh — FREIGHT HOUSE — Pennsylvania R.R. Co., Broad St. Sta., Phila., general contract 1 and 2 story and basement, 42 x 255 ft., brick and steel, 13th and Pike Sts., to J. F. Casey Co., Aspinwall. Archts. est. $150,000. Noted Apr. 29.

Ga., Savannah — POWER STATION — Savannah Electric & Power Co., 27 West Bay St., addition to River Side Power Station, incl. 15,000 kw. turbine generator, 27,000 sq.ft. condenser and auxiliaries, two 1,370 hp. capacity boilers each, etc., to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

Ala., Sheffield—FOUNDRY—King Mfg. Co., 230 South Clark St., Chicago, Ill., general contract 1 story, 140 x 480 ft. foundry and 2 story, 24 x 40 ft. office building, rein.-con., brick and steel, to C. P. Morris, 1220 South 11th St., St. Joseph, Mo. Archts. est. $150,000. Noted Feb. 18.

La., Alexandria—OAK FLOORING MILL —Arkansas Oak Flooring Co., will build 88 x 290 ft. mill, 50 x 94 ft. power house, 120 x 192 ft. warehouse, etc., by day labor. $400,000. E. F. Ensign, Memphis, Tenn., archt.

Tenn., Memphis—WAREHOUSE—W. E. Stansbury, 244 StoneWall Pl., 2 story, concrete, South Front St., to W. W. Wessel, Overton Park Ave., $40,000. Pittsburgh Steel Co., Exch. Bldg., lessee.

O., Cleveland—FACTORY—Bohnard & Parsson, archts., 1900 Euclid Bldg., 2 story and basement, 52 x 165 ft., brick and steel addition, Manchester Ave., to Boldt Constr. Co., 1969 East 70th St., for Lindsay Wire Weaving Co., H. L. Lindsay, pres., 14025 Aspinwall Ave. Archts. est. $100,000.

Ind., Kokomo—FACTORY—C. Sanders, steel for 1 story and basement, 90 x 200 ft. factory, West State St. and Park Ave., to Hetherington & Berner, 701 Kentucky Ave., Indianapolis. Archts. est. $40,000.

Mich., Muskegon—FACTORY—A. Kahn, archt. and engr., Marquette Bldg., Detroit, 5 story, 110 x 215 ft., rein.-con., plain foundation, Division St., to O. F. Miller Co., Kalamazoo, for Shaw-Walker Co., Western Ave. and Division St. Archts. est. $250,000. Noted Mar. 25.

Mich., Muskegon Heights—FACTORY—Piston Ring Co., 4 story, 122 x 125 ft., rein.-con., Sanford St., to Strom Constr. Co., 357 Houseman Bldg., Grand Rapids, $100,000 plus percentage basis. Noted Mar. 4 under "Muskegon."

Mich., Saginaw — FACTORY — Lufkin Rule Co., 2 story and part basement, rein.-con., brick and steel, plain foundation, to Everett Winters Co., 1024 Book Bldg., Detroit. Archts. est. $100,000. Noted Apr. 29.

Wis., Madison — SHOP — A. C. Fosdick, 1634 Schiller Court, 1 story, 60 x 90 ft., rein.-con., brick and steel, Division St., to B. Swan, 1910 Yahara Pl.

Wis., Milwaukee — FACTORY — Dick & Bauer, 811 State St., 2 story and basement, 52 x 150 ft., rein.-con. and brick addition, plain foundation, 7th St., to Dahlman Constr. Co., 456 Bway., for Adraft Realty Co., 337 7th St. Archts. est. $65,000. Noted Apr. 8.

Wis., Racine—FOUNDRY—C. S. Anderson, mgr. Belle City Malleable Iron Co., Kewaunee St. (2nd unit), 1 story, 118 x 200 ft., brick and steel, plain foundation, to Nelson & Co., Janes Blk. Noted Apr. 29.

Wis., Racine—PRINTING PLANT—F. J. Hoffman, archt., Janes Blk., 2 story and basement, irregular shape, rein.-con. and brick addition, plain foundation, to Bondgard Constr. Co., 932 Frederick Ave., for Times-Call Building Corp., Main St. Archts. est. $50,000. Noted Apr. 15.

Wis., Trego—POWER PLANT—Wisconsin Hydro-Electric Co., E. J. Schneider, pres., Amery, rein.-con., brick and steel power plant and dam on Namakagon River, near here, to Siems, Helmer & Schaffner, Guardian Life Bldg., St. Paul, Minn. Archts. est. $70,000. Noted Dec. 31.

Minn., Minneapolis — FACTORY — Ke Hawke Mfg. Co., 421 South 6th St., F. J. Kerner, pres., general contract 2 story and basement, 85 x 124 ft., rein.-con. and brick, Western Ave. between Aldrich and Bryant Sts., to E. M. Ganley Constr. Co., 2922 Oakland Ave. Archts. total est. $75,000.

Mo., St. Louis — LUMBER — Charles Naber's Sons Lumber Co., 3732 North Bway., 1 story, 138 x 240 ft. lumber shelter addition, steel, North Bway., to C. P. Riechers, 2820 St. Louis St. Archts. est. $45,000.

Mo., St. Louis — BAKERY — W. Freund Bread Co., 4477 Chouteau Ave., 2 story and basement, 115 x 143 ft., rein.-con., brick and stone, Chouteau Ave., to M. C. Bartels, 4910 Gravois Ave. Archts. est. $100,000.

Buildings—Industrial (Continued)

Mo., St. Louis—AUTO BODY FACTORY—Herman Body Co., 1831 South 3rd St., 1 story and basement, 110 x 204 ft., rein.-con. and brick, 1815 North 23rd St., to Murch Bros. Constr. Co., Ry. Exch. Bldg.

Mo., St. Louis — FURNACE PLANT — Hemp & Co., 1939 South Vandeventer Ave., 2 story and basement, 80 x 145 ft., rein.-con., 1945 South Vandeventer Ave., to Austin Co., 1198 Arcade Bldg. Archts. est. $40,000.

Tex., Sinton — PLANT — Texas Central Power Co., c/o Frost Bldg., San Antonio, will build 70 ton capacity ice plant, by day labor. $100,000. Private plans. Noted Apr. 8.

Okla., Sand Springs—TEXTILE MILLS—C. R. Miller Mfg. Co., Natl. Bank of Commerce Bldg., Tulsa, 82 x 368 ft. rein.-con. and brick, to W. R. Grimshaw Constr. Co., Tulsa. Archts. est. $300,000.

Calif., Watsonville — PACKING PLANT—Corralitos Fruit Growers, Inc., 1 story 100 x 150 ft. main section, 30 x 80 ft. peeling room, and 22 x 28 ft. fan room, rein.-con., to J. Renfrow, Watsonville, $40,000.

Buildings—Educational, Religious

Proposed Work

Mass., Allston (Boston P. O.)—SCHOOL—Schoolhouse Dept., City Hall, Boston, having plans prepared by E. I. Wilson, 109 State St., Boston, 1 story and basement, brick and stone, Brainerd Rd., here. $150,000. Noted Oct. 15.

Mass., Greenfield—SCHOOL—Town, Bd. Educ., W. P. Abbott, supt. schools, plans 2 story and basement, brick school. $150,000. Engineer and architect not selected.

Mass., Groton—HIGH SCHOOL—Town, School Building Com., having revised plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story and basement, 36 x 150 ft. and 45 x 55 ft., brick and stone high school. $150,000. Former bids rejected. Noted May 6.

Mass., Leominster — HIGH SCHOOL — City, School Bd., having plans prepared by M. A. Dyer, 1 Beacon St., Boston, new Junior High School. $500,000.

Mass., Medford (br. Boston) — HIGH SCHOOL — City, W. White, chn. building com., having preliminary sketches made by M. A. Dyer, 1 Beacon St., Boston, Junior High School, 2 story and basement, brick and stone, Court St. $800,000. Noted Mar. 25.

Mass., Quincy (Ind. br. Boston) — HIGH SCHOOL—City, Mayor's Office, City Hall, having sketches made by Shepard & Stearns, 65 Franklin St., Boston, Junior High School, 2 story and basement, brick and stone, South Quincy. $400,000.

Mass., Springfield—SCHOOL and COMMUNITY — Y. M. & Y. W. H. A., H. Adaskin, chn. executive com., 234 Main St., chn., plans raising $200,000 funds, 3 story, school and community.

Mass., Springfield—SCHOOL—City had plans prepared by M. W. Maloney, 12 Pearl St., 2 story and basement, 85 x 130 ft., brick and steel school. $150,000. Noted Mar. 4.

Mass., Whitman — HIGH SCHOOL — Town, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, having preliminary sketches made Senior High School, 2 story and basement, brick and stone. $300,000. Noted Apr. 29.

Conn., New Haven—HIGH SCHOOL—City, Bd. Educ., having plans prepared by Brown & Von Beren, 185 Church St., Junior High School, 18 room, Bassett St. $200,000.

N. Y., Dansville—SCHOOL—M. C. Miller, archt., 70 West Chippewa St., Buffalo, prepared plans and soon takes bids 2 story and basement, 90 x 180 ft., brick, steel and stone, plain foundation, South St., here, for Bd. of Educ., G. L. Kreen, chn. building com. $250,000.

N. Y., Lake George — SCHOOL — Bd. Educ. having plans prepared by E. S. Hewitt, engr. and archt., 597 5th Ave., New York City, 2 story, brick, steel and stone, plain foundation, West Main St. $200,000.

N. Y., Savannah—SCHOOL—Bd. Educ., H. J. West, chn., plans school. $150,000. Engineer and architect not selected.

N. J., East Orange — PAROCHIAL SCHOOL—L. E. Denslow, archt., 44 West 18th St., New York City, takes bids in June, 2 story, concrete and stone school, Dodd St., here, for Church of Holy Name, 104 Brighton Ave. $200,000.

N. J., Rahway—SCHOOL—Bd. Educ., M. F. Quinn, pres., having plans prepared by J. F. Kelly, 152 Meade Ave., Passaic, 2 story school, at East Rahway. $255,000. S. Williams, Rahway, engr.

N. J., Trenton — SCHOOL — Hamilton Twp. Bd. Educ. soon takes bids 2 story school. $200,000. Former bids rejected. W. A. Klemann, 1st Natl. Bank, engr. Noted Apr. 1.

Pa., Altoona—HIGH SCHOOL—Altoona School Dist., W. N. Decker, secy., 6th Ave. and 15th St., plans 3 story and basement, 120 x 240 ft. annex to Senior High School, 14th St. $400,000. Engineer and architect not selected.

Pa., New Castle — CHURCH — Third United Presbyterian Church having plans prepared by J. L. Beatty, Jackson Bldg., Pittsburgh, 2 story and basement, 96 x 120 ft., brick or stone, here. $150,000.

Pa., Phila.—CONVENT—H. D. Dagit & Son, archts., 1329 Race St., soon lets contract 3 story and basement, 69 x 80 ft., rein.-con., brick, stone and steel, plain foundation, 47th St. and Windsor Ave. for St. Francis De Sales Parish, W. J. Crane, rector. $150,000.

Fla., Tampa—PROFESSIONAL—L. M. Anderson and associates, having plans prepared by R. E. Crowe, 212½ Franklin St., 11 story, 127 x 158 ft., Grand Central and Park Aves. $700,000.

Ala., Albany — CHURCH — Central Methodist Church raising $200,000 funds, and making preliminary plans new church, 6th and Jackson Sts.

La., Shreveport—COLLEGE—Society of Jesus, St. Johns College, c/o M. J. Walsh, pastor, having preliminary plans prepared by E. F. Neild, 1206 City Bank Bldg., 2 or 3 story and basement, rein.-con. and brick, plain foundation. $300,000.

Tenn., Chattanooga—SCHOOLS—Hamilton Co. voted $350,000 bonds for Normal Park and St. Elmo Junior High School, W. H. Sears, James Bldg., archt.; White Oak, Red Bank and Southside Schools, Daugherty & Gardner, Nashville, archts.; Central High School addition, R. H. Hunt, James Bldg., archt.; Eastdale addition, C. Bearden, 1st Natl. Bank Bldg., archt.; and Mission Ridge addition, J. G. Gauntt, Chattanooga, archt. Noted Apr. 8.

Tenn., Nashville — CHURCH — Belmont Methodist Church having plans prepared by G. D. Waller, Independent Life Bldg., brick and stone church and auditorium, 21st and Acklen Aves. $150,000.

O., Bellefontaine—HIGH SCHOOL—Bd. Educ. having sketches made Junior High School, 2 story and basement, brick and concrete, incl. gymnasium. $200,000.

O., Cincinnati — NURSES HOME — Childrens Hospital, Elland Ave., having plans prepared by Elzner & Anderson, Denton Bldg., 3 story and basement, 100 x 165 ft., brick and rein.-con., plain foundation, Elland Ave. $200,000.

O., Dayton — CHURCH and PARISH HOUSE — St. Paul Evangelical Lutheran Church, L. Rogge, chn. building com., Ridgewood Ave., plans rein.-con., brick and stone, Wayne Ave. $500,000. Engineer and architect not selected.

O., Euclid — SCHOOL and PARISH HOUSE — May 15, by J. L. Collins, archt., 7016 Euclid Ave., 2 and 3 story, brick, steel and concrete, East 200th St. and Lake Shore Blvd., for Holy Cross Church, T. A. Kirby, pastor, 170 East 191st St. $150,000.

Mich., Detroit — SCHOOLS — Bd. Educ., 1354 Bway. Ave., having plans prepared by Verner, Wilhelm & Molby, archts. and engrs., Book Bldg., school, 1,200 seating capacity, Yellowstone Ave., $400,500; by McGrath, Dohmen & Page, 2231 Park Ave., 740 seating capacity, Boynton School site $277,400, and by Donaldson & Meier, 1214 Penobscot Bldg., 1,800 seating capacity $640,000, E. R. Little Co., 1925 Ford Bldg., engrs. for both; by Smith, Hinchman & Grylls, 800 Marquette Bldg., archts. and engrs., 1,800 seating capacity, Hawthorne and Lantz Sts., $579,300, all foregoing 2 story and basement, rein.-con., brick and steel, plain foundations.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcolmson & Higginbotham, 1219 Griswold St., 2 story and basement, 1,200 seating capacity, rein.-con., brick and steel, plain foundation, Roosevelt Field. $640,300. McColl, Snyder & McLean, 2348 Penobscot Bldg., engrs. Noted Mar. 18.

Ill., Chicago—CHURCH—Grace Methodist Church, 157 Locust St., C. Copeland Smith, pastor, having plans prepared by Thielbar & Fugard, 219 East Superior St., 16 story, 325 ft. tower and basement, 166 x 155 ft., Rush and Oak Sts. $2,200,000.

Wis., La Crosse—HIGH SCHOOL—Bd. Educ., W. Luening, pres., having plans prepared by Merman & Skogstad, Linker Bldg., 3 story and basement, brick, tile and concrete addition, plain foundation, here. $200,000.

Wis., Madison—CHURCH—St. Andrews Church, J. F. Bloodgood, pastor, 112 Spooner St., having plans prepared by A. Peabody, State Capitol Bldg., 2 story, 60 x 132 ft., brick, rein.-con. and Colfax stone, plain foundation, Spooner St. Noted Jan. 28.

Wis., New Richmond—HIGH SCHOOL—Bd. Educ. having plans prepared by Parkinson & Dockendorf, LaCrosse, rebuilding 2 story and basement, 80 x 130 ft., rein.-con., brick and steel, plain foundation, recently destroyed by fire. $150,000.

Wis., Wausau—CHURCH—First Presbyterian Congregation, 408 Grant St., having plans prepared by Coolidge & Hogdon, 134 La Salle St., Chicago, Ill., 2 story, brick and stone, plain foundation, Grant and 4th Sts. $200,000. Noted Mar. 8.

Wis., West Allis—HIGH SCHOOL—Bd. Educ., M. C. Henika, clk., plans Junior High School, 2 story and basement, rein.-con. brick, tile and concrete, plain foundation. $180,000. Engineer and architect not selected.

Wis., West Allis—SCHOOL—Bd. Industrial Educ., S. Moore, pres., plans Vocational School, 3 story and basement, brick and concrete, plain foundation, Colburn Ave. $100,000-$150,000. Engineer and architect not selected.

Ia., Bedford — SCHOOL — Bd. Educ. having plans prepared by Keffer & Jones, 204 Masonic Temple Bldg., Des Moines, new school. $160,000 bonds voted for same. Noted Apr. 22.

Kan., Kansas City—CHURCH—Central Christian Church Congregation, 2700 Wabash Ave., A. C. Finch, pastor, 952 Sandusky St., plans rein.-con. and brick, 9th and Armstrong Sts. $150,000. Engineer and architect not selected.

Kan., Lindsburg — COLLEGE — Bethany College plans new building. $200,000. Engineer and architect not selected.

Kan., Ottawa—HIGH SCHOOL—Election May 25, $210,000 bonds new Junior High School, for Independent School Dist. H. E. Rogers, city clk.

Minn., Minneapolis — FIELD HOUSE — University of Minnesota, F. D. Snyder, pres. Bd. Regents, Administration Bldg., having plans prepared 1 or 2, story and basement athletic field house, approximately 300 ft. long, rein.-con. and brick, campus. $300,000. Engineer and architect not announced.

Mo., Kansas City—NURSES HOME—Sisters of St. Marys, St. Marys Hospital, 2800 Main St., having plans prepared by Wilkinson & Crans, Interstate Bldg., 3 story and basement, 97 x 170 ft., rein.-con., plain foundation, Baltimore Ave. $300,000.

Mo., Kansas City—UNIVERSITY—Lincoln & Lee University, 1121 McGee St., Kansas City, having preliminary plans prepared by Shephard & Wiser, 1208 R. A. Long Bldg., Kansas City, (1st unit) includes administration building, science hall, chapel, library and liberal art building. To exceed $150,000.

Mo., St. Louis — CHURCH and COMMUNITY — Galilee Baptist Congregation, c/o M. Owens, pastor, 4367 Enright Ave., having preliminary plans prepared by Plato & Evans, 608 West Walnut St., Louisville, Ky., 4 story and basement, 105 x 131 ft., rein.-con., brick and stone, Pine St. at Ewing Ave. $300,000.

Ark., Little Rock—CHURCH and SUNDAY SCHOOL—First Christian Church, H. G. Knowles, 1015 Louisiana St., pastor, having preliminary plans prepared 2 and 4 story and basement church and Sunday school, 10th and Louisiana Sts. $250,000.

Tex., Abilene—CHURCH—First Baptist Congregation, c/o pastor, plans brick and rein.-con. church. $150,000.

Tex., Eastland—HIGH SCHOOL—Bd. Educ., J. B. Caton, pres., having plans prepared by D. S. Castle 701-4 Alexander Bldg., Abilene, 2 story and basement, rein.-con., brick and stone, plain foundation. $150,000.

Ore., Portland — COLLEGE — Concordia College (Lutheran), East 28th and Holman Sts., having plans prepared by A. E. Doyle, Worcester Bldg. (1st unit) twin buildings. Total $4,000,000.

Calif., Los Angeles — CHURCH — First Unitarian Church, 925 South Flower St., having plans prepared by Allison & Allison, Hibernian Bldg., church, 8th St. $200,000.

Calif., Modesto — CHURCH — First Methodist Episcopal Church, A. C. Stevens,

Buildings—Educational, Religious (Cont.)

pastor, having plans prepared, fireproof church, 16th St. $200,000.

Calif., San Mateo — MONASTERY — Dominican Nuns of Corpus Christie Monastery, 1090 Eddy St., San Francisco, had plans prepared by Beezer Bros., 1915 Steiner St., San Francisco, rein.-con. and pre-cast stone, group buildings, Poplar St. $250,000.

Calif., San Rafael — DORMITORY — Dominican College, had plans prepared by A. M. Cauldwell, 251 Kearny St., San Francisco, (1st unit) group 3 story, frame and stucco buildings. $150,000.

Calif., Stockton — CHURCH — First Congregational Church having plans prepared by W. Wurster, Whitecotton Hotel, Berkeley, rein.-con. church, Madison and Willow Sts., here. $150,000. Noted Apr. 8.

Ont., Newmarket — SCHOOL — High School Bd., W. J. Patterson, chn., soon takes bids 2 story and basement, 8 room, rein.-con., brick and steel, plain foundations. $150,000. Burden & Gouinlock, 101 King St. W., Toronto, archts. Noted Feb. 11.

Ont., Port Arthur—SCHOOLS—Bd. Educ. plans 2 story and basement, rein.-con., brick and steel, technical and public schools, plain foundations. $300,000-$350,000. Engineer and architect not selected.

Ont., Stratford — SCHOOL — Bd. Educ. having plans prepared by S. B. Coon & Son, 4 St. Thomas St., Toronto, 3 story and basement, 10 room, rein.-con., brick and steel addition to Collegiate Institute, plain foundation. $175,000.

Cuba — SCHOOLS — Dept. Pub. Wks., Havana plans schools. $10,000,000. M. A. Coroalles, Havana, state ch. engr.

Bids Desired

Me., Mexico — SCHOOL — Town, A. E. Small, chn. building com. taking bids Junior High and Grade School, 2 story and basement, 70 x 165 ft., brick. $175,000. Bunker & Savage, 236 Water St., Augusta, archts.

Mass., Allston (sta. Boston)—SCHOOL—May 27, by Schoolhouse Dept., Boston, 1 story and basement, 85 x 105 ft., brick and stone, Brainard Rd., here. $150,000. E. I. Wilson, 109 State St., Boston, archt.

Mass., Hanover—HIGH SCHOOL—Town, School Dept., Town Hall, taking bids Senior and Junior High School, 2 story and basement, 115 x 120 ft., brick and stone, Hanover St. To exceed $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted May 13.

Mass., Southbridge — CHURCH — Sacred Heart Parish, V. Epinard, pastor, taking bids 1 story and basement, brick and stone, Carlton St. $150,000. J. W. Donahue, 476 Main St., Springfield, archt. Noted Dec. 24.

Mass., Springfield — HIGH SCHOOL — City, Pub. Buildings Dept., taking bids 1 story and basement, 125 x 140 ft., brick and stone, addition, Liberty St. To exceed $150,000. E. C. and J. C. Gardner, 33 Lyman St., archts.

Mass., Worcester—SCHOOL—May 24, by Worcester Trade School, C. F. Marble, chn., brick and steel addition, Prescott St. $150,000. L. W. Briggs Co., 314 Main St., archts.

R. I., Woonsocket—CHURCH—May 31, by St. John the Baptist Church, 1 story and basement, brick, steel and limestone, Main St. $200,000. W. Fontaine, 285 Main St., archt. Noted Dec. 10.

N. Y., Brooklyn—SCHOOL—May 26, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 203, Avenue M from East 51st to 52nd Sts., here, for Bd. Educ., 500 Park Ave., New York City. Former bids rejected. Noted May 13.

N. J., Irvington (br. Newark)—SCHOOL—May 26, by Bd. Educ., school, Mt. Vernon Ave. $270,000. Kleeman & Lansing, 1021 Broad St., Newark, archts.

N. J., Perth Amboy—SCHOOL—June 3, by Middlesex Co., Vocational Bd., New Brunswick, vocational school, here. $250,000. Greisen & Tuzik, Perth Amboy, archts. Noted Dec. 31.

D. C., Wash.—SCHOOL—June 2, by Dist. Comrs., District Bldg., McKinley Manual Training School, with 2 auditorium, power house, etc., 2 story and basement, 300 x 300 ft. brick and stone. $2,250,000. A. L. Harris, municipal archt.

La., Gretna — SCHOOLS — May 25, by Jefferson Parish Bd. Educ., V. A. Pitre, pres., 1 story school in Ward 7 and 2 story school in Ward 8, both brick or hollow tile, also 2 story brick school in Ward 9, T. L. Perrier, 310 Carondelet St., New Orleans, archt.; two 1 story schools in Ward 6, and 1 story schools in Wards 3 and 5, all timber, W. R. Burk, Balter Bldg., New Orleans, archt.; and 2 story brick school in Ward 4, Jones, Roessle & Olschner, Maison-Blanche Bldg., New Orleans, archt.

O., Cleveland—SCHOOLS—May 24, by Bd. Educ., F. G. Hogen, dir., East 6th St. and Rockwell Ave., two 120 x 220 ft. schools, one East 131st St. and Benham Ave., and other East 185th St. and Muskoka Ave., also 76 x 218 ft. and 40 x 48 ft., West 54th St., all 3 story and basements, brick, steel and concrete. $650,000 each. G. M. Hopkinson, Auditorium Garage Bldg., archt. Noted Apr. 15.

Mich., Belleville—HIGH SCHOOL—May 25, by E. Dicks, secy. Bd. Educ., 2 story and part basement, 62 x 213 ft., and 58 x 85 ft., rein.-con., brick and steel, plain foundation, Columbia St. $250,000. Verner, Wilhelm & Molby, 824 Book Bldg., Detroit, archts.

Mich., East Lansing — INDUSTRIAL CHEMISTRY BUILDINGS—May 26, by H. H. Halladay, secy. State Bd. Agriculture, 3 story and part basement, rein.-con., brick and steel, plain foundation, at Michigan State College. $300,000. Bowd & Munson, Lansing, archts.

Mich., Fordson—SCHOOLS—May 26, by F. E. Yinger, secy. Bd. Educ., two 2 story and basement, rein.-con., brick and steel, plain foundations, one on Chase Rd. and Gold Ave., $250,000, and other Salina Ave. $225,000. H. J. Keough, 3440 Cass Ave., Detroit, engrs. and archts.

Wis., Superior—CATHEDRAL—June 1, by L. Preuss, archt., 612 Laclede Gas Bldg., St. Louis, Mo., 1 story and basement, 80 x 200 ft., rein.-con., plain foundation, here, for J. J. Pinten, bishop. $250,000. Widmer Eng. Co., 612 Laclede Gas Bldg., St. Louis, Mo., engrs. Noted May 6.

Mo., Webster Groves (br. St. Louis) — HIGH SCHOOL—See "Contracts Awarded."

Tex., Mercedes—HIGH SCHOOL—June 1, by Bd. Educ., 2 story, rein.-con. and brick, plain foundation. $150,000. H. P. Smith, Natl. Bank of Commerce Bldg., San Antonio, archt.

Tex., San Angelo—SCHOOL—May 29, by Bd. Educ., 2 story rein.-con., brick and stone, plain foundation. $150,000. Phelps & DeWees, c/o Gunter Bldg., San Antonio, archts. Noted Mar. 25.

Calif., Los Angeles—SCHOOL—May 26, by Bd. Educ., concrete and brick school, incl. gymnasium, West 2nd St. $200,000 or more. Architectural Dept. of owner, archts.

Calif., San Leandro—SCHOOLS—May 27, by Trustees San Leandro School Dist., two 2 story, rein.-con. grammar school additions. $150,000. J. J. Donovan, Tapscott Bldg., Oakland, archt. Noted Feb. 4.

Bids Received

Vt., Bellows Falls — HIGH SCHOOL — Town, Building Comn., Apr. 30, 3 story and basement, 135 x 170 ft., rein.-con. and brick high school, from Duplex Constr. Co., Glen Falls, N. Y. Noted Apr. 22.

Mass., Dorchester (Boston P. O.) — SCHOOL — Schoolhouse Dept., Boston, 2 story and basement, 115 x 175 ft., granite and limestone addition, plain foundation, Minot Dist., here, from M. B. Kelleher, 21 North Monroe Terrace, Dorchester, $187,390.

Mich., East Lansing — SCHOOL — Bd. Educ., May 7, high school, from Reniger Constr. Co., Lansing, $174,064.

Mass., West Newton (Ind. br. Boston)—HIGH SCHOOL — City of Newton, Dept. Pub. Buildings, City Hall, West Newton, May 12, Junior High School, 2 story and basement, rein.-con., brick and stone, Washington St., from B. W. Neal, Inc., 293 Boylston St., Boston, $390,491; heating and ventilating, from J. S. Cassedy, 133 Austin St., Cambridge, $61,700. Noted Apr. 29.

N. Y., New York — SCHOOL — W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, May 13, general contract P. S. 101, East 111th St., here, from Kenny Bros., Inc., 33 Old Bway., $419,770; heating, from Heat Control Serv. Co., 759 Park Pl., $49,339. Noted May 6.

N. J., West New York (Ind. br. Weehawken) — HIGH SCHOOL — Bd. Educ., Municipal Bldg., May 6, Memorial High School, Park Ave., Bway., 11th and 12th Sts., from Auf Der Heide Constr. Co., West New York, $613,000. Noted Apr. 29.

Md., Baltimore — SCHOOL — Mayor and City Council, May 12, 2 story and basement, irregular shaped, brick and steel, plain foundation, Patterson Park Ave. and McElderry St., from DeCou & Davis, 9 West Chase St., $261,700. Noted Apr. 29.

Ill., Peoria—HIGH SCHOOL—Bd. School Inspection, G. T. Monst, secy., general contract May 6, Blaine Sumner High School, 3 story and basement, 24 room and auditorium, rein.-con. and brick, plain foundation, Blaine St., from V. Jobst & Sons, Lehman Bldg., $305,700; heating and plumbing, from J. M. Shea & Co., 1025 South Adams St., $62,094. Noted Apr. 22.

Minn., Minneapolis — SCHOOL — Bd. Educ., 305 City Hall, May 5, general contract 2 story and basement, rein.-con., brick and stone, 50th St. and Humboldt Ave. S., from L. E. Brophey & Co., 531 Lyndale Ave. N., $133,000.

Calif., Oakland—HIGH SCHOOL—Bd. Educ., May 4, general contract Frick Junior High School, group brick and concrete buildings, from R. W. Littlefield, 357 12th St., $333,000; plumbing and ventilating, from G. A. Schuster, 21st and Grove Sts., $54,747. Noted Apr. 22.

Calif., Van Nuys — SCIENCE and MANUAL ARTS—Los Angeles Bd. Educ., May 5, 2 story, 75 x 225 ft. domestic science and 1 story 72 x 223 ft. manual arts buildings, general contract, from Witt & Chute, 2516 West Santa Barbara Ave., Los Angeles, $135,725. Noted Apr. 29.

Contracts Awarded

Me., Augusta — CHURCH — St. Mary's Roman Catholic Parish T. J. McLaughlin, pastor, brick, steel and stone Sewell and Western Aves., to L. Mallo & Sons, 51 East Ave., Lewiston. Archts. est. $200,000.

Vt., Proctor—CHURCH—Union Church Society, 1 story and basement, brick and stone, plain foundation, to A. A. Austin, Rutland. Archts. est. $150,000.

Mass., Boston—SCHOOL—Cathedral of Holy Cross, W. Finnigan, pastor, 3 story and basement, 120 x 150 ft., brick and stone, Malden St., to Walsh Bros., 150 Hampshire St., Cambridge. Archts. est. $200,000. Noted Apr. 15.

Mass., Cambridge (Boston P. O.) — SCHOOL—Shady Hill School, C. Taylor, principal, seven 1 story buildings, six 38 x 85 ft., and other 30 x 100 ft., brick and timber, to G. Skelton, 27 Holyoke Rd., Somerville. Archts. est. to exceed $150,000. Noted May 13.

Mass., Northampton — SCHOOL — City, Bd. Educ., 2 story and basement, 65 x 100 ft., brick and stone, Bridge St., to Adams & Mahoney, 46 Orange St., Westfield. Archts. est. $150,000. Noted May 6.

Mass., Seekonk—SCHOOL—Town, E. J. Humer, chn. building com., 2 story and basement, brick and stone, to W. H. Noonan, 191 Warren St., Providence, R. I. Archts. est. $150,000.

Mass., Worcester—SCHOOL—City, Pub. Building Dept., City Hall, 2 story and basement, brick, steel and limestone, Granite St., to C. T. Rocheford, 58 Front St., $175,030. Noted May 13.

Conn., Bridgeport—SCHOOL—Bd. Educ., altering and constructing 2 story and basement brick addition, Huntington Rd. and Boston Ave., to T. Stewart, 84 Ashley St. Archts. est. $175,000. Noted May 6.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 208, Avenue D from East 48th to East 49th Sts., here, to G. F. Driscoll Co., 6th Ave. and Bergen St. $282,875. Noted May 13.

N. Y., Glens Falls—CHURCH—First Presbyterian Church, 1 story and basement, brick and stone church, to E. G. Miner Building Co., 25 Foster St., Worcester, Mass. Archts. est. to exceed $150,000.

N. J., Haddonfield—HIGH SCHOOL—Bd. Educ., B. M. Wilson, secy., Lincoln Ave. and Chestnut St., 2 story and basement, 167 x 211 ft., and 72 x 98 ft., brick and steel, Kings Highway E., to H. J. Homan Co., 18th and Cherry Sts., Phila., $374,430. Noted May 6.

Del., Wilmington—SCHOOL and AUDITORIUM—Ursiline Nuns, 2½ story and basement, 114 x 198 ft., stone and steel plain foundation, Penna Ave. and Franklin St., to Joyce & Kerrigan, Wilmington. Noted May 6.

N. C., High Point — HIGH SCHOOL — School Bd., C. Tomlinson, chn., general contract 225 x 365 ft. high school, to J. E. Beaman Constr. Co., Raleigh, $459,750; heating and ventilating, to W. W. Dick, Greensboro, $55,490; plumbing, to Burlington Hardware Co., Burlington, $25,765. Grand total $541,005. Noted Sept. 24.

Fla., Jacksonville—SCHOOLS—Bd. Pub. Instruction for Duval Co., general contract 3 story, brick, stone and rein.-con., two high schools, one at Springfield and one at Riverside, to Griffin Constr. Co., 1305 West Forsyth St., Jacksonville, and Bona Allen Bldg., Atlanta, Ga., $932,950. Noted Mar. 25.

Tenn., Nashville — DORMITORIES — Tennessee Home for Feeble Minded, Donelson St., L. T. Pope, comr. institutions, two 3 story and basement, concrete and brick, Lebanon Rd., to J. B. Regan Constr. Co., 117 5th Ave. N., $150,000.

Buildings—Educational, Religious (Cont.)

O., Bowling Green—PHYSICAL EDUCATIONAL — Bd. Trustees, Bowling Green, State Normal School, 1 and 2 story, 30 x 210 ft., rein.-con., brick, steel and tile physical educational building, to L. Herman, Bowling Green, $128,089. Noted Apr. 1.

O., Cambridge — CHURCH — Methodist Protestant Congregation, brick and Indiana limestone church, to E. J. Patterson & Son, Barnesville, approximately $150,000.

O., Columbus—CHURCH—First Baptist Church, J. K. Bye, ch. building com., East Broad St., 2 story, 65 x 92 ft., stone and concrete addition, to S. B. Ridenour, 73 12th Ave., approximately $150,000.

O., Cincinnati — CHURCH — St. Monica Church, 1 story and basement, 87 x 162 ft., brick, stone and rein.-con., plain foundation, Fairview Ave., to M. J. Roche Constr. Co., South Ohio Bank Bldg., $300,000.

Ind., Evansville—SCHOOL—Bd. Educ. general contract 2 story and basement, 108 x 178 ft. school, to C. Kanzler & Son, 500 Furn Bldg., $202,845. Noted Apr. 29.

Ind., Richmond — CHURCH — Friends Church, L. T. Jones, pastor, general contract 2 story and basement, 135 x 170 ft. church, to R. Bryant, Franklin. Archts. est. $200,000.

Ill., Chicago—SCHOOL—Chicago Latin School, 18 East Davidson St., general contract 3 and 4 story, 94 x 132 ft., rein.-con. and brick, North Dearborn Parkway near North Ave., to H. F. Friestedt Co., 131 North Michigan Ave. Archts. est. $500,000. Noted Apr. 1.

Wis., Black River Falls—SCHOOL—Bd. Educ., A. P. Jones, clk., 2 story and basement, 63 x 113 ft., rein.-con., brick and steel, plain foundation, to A. Judeoin, Baraboo. Noted Apr. 29.

Wis., Madison—CHURCH—St. Bernards Catholic Church, c/o W. Eggers, pastor, 735 Atwood Ave., and Small & Flad, archts., Ellsworth Bldg., 1 story, 71 x 154 ft., rein.-con., brick and steel, plain foundation, Atwood St., to A. Nussbaum, 23 North Pickney St. Archts. est. $150,000. Noted Apr. 29.

Ia., Iowa City—FIELD HOUSE—Proudfoot, Rawson & Souers, archts., and engrs., 810 Hubbell Bldg., Des Moines, 3 story and basement, 185 x 460 ft., brick and steel, plain foundation, here, to A. H. Newmann Co., 519 Hubbell Bldg., Des Moines, for State University of Iowa. $240,000. Noted May 13.

Mo., Webster Groves (br. St. Louis) — HIGH SCHOOL—Bd. Educ. will build 2 story, 36 x 100 ft., rein.-con. and brick addition, Salem and Bradford Sts., by subcontracts, under supervision of W. B. Ittner, archt., 911 Locust St. $160,000. Brick masonry contract for above awarded to Reinschmidt Contg. Co., 1302 Arcade Bldg. Noted Apr. 1.

Tex., Dallas — DORMITORY — Southern Methodist University, c/o L. W. Baley, 3 story and basement, rein.-con., brick and steel, campus, to West Lake Constr. Co., c/o H. B. Freedman, 402 1st Natl. Bank Bldg., Ft. Worth, $150,000.

Tex., Ft. Worth—HIGH SCHOOLS—E. A. Corbett, pres. Bd. Educ., W. T. Waggoner Bldg., Arlington Junior High School, 2 story and sub-basement, 167 x 263 ft., brick, stone, and rein.-con., incl. boiler room, Arlington Heights, to K. H. Muse, 200 West Railroad St., $254,000. Noted Apr. 22.

Calif., Crockett—HIGH SCHOOL—John Swett Union High School Dist., general contract steel, concrete and brick high school, to F. Cress, Crockett, $154,582. Noted May 13.

Calif., Los Angeles — CHURCH — First Baptist Church, 3 story and basement, 200 x 242 ft., rein.-con., incl. school rooms, Westmoreland Ave., to Weymouth, Crowell Co., 2104 East 15th St., to exceed $500,000. Noted Oct. 29.

Calif., San Francisco—MEN'S SHELTER—S. O'Brien, archt., 724 Market St., 2 story (ultimately 5 story) and basement, rein.-con., Natoma St., to J. A. Bryant, 185 Stevenson St., for Roman Catholic Archbishop of San Francisco, 1100 Franklin St. $155,200. Noted Feb. 18.

Calif., San Leandro—SCHOOL and CONVENT—St. Marys Convent, J. T. Hunt, pastor, two 2 story, rein.-con. buildings, to G. Petersen, 1841 Santa Clara St., $153,200. Noted Mar. 11.

Ont., Welland — SCHOOL — Bd. Educ., general contract 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation, North Main St., to W. J. Hickey, 29½ Main St. Archts. est. $150,000. Noted Mar. 4.

Federal Government Work

Proposed Work

Mass., Bedford—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., F. T. Hines, dir., purchased "Colman Tract" of 400 acres neuropsychiatric hospital, here. Noted Mar. 25.

Mass., Boston—Circulating Loop—Spec. 5190—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans salt water circulating pipe from harbor to central power plant, etc. at Navy Yard, here. L. E. Gregory, ch. of bureau.

Va., Yorktown—Fuel Depot—Spec. 5116—Bureau Yards & Docks, Navy Dept., Wash., D. C., indefinately postponed taking bids naval fuel depot, foam fire protection, here. Noted Apr. 22.

Tex., Fort Sam Houston (sta. San Antonio) — Barracks — Constructing Quartermaster, War Dept., Wash., D. C., soon takes bids barracks for 2nd Division, Division Ave. and Wilson St. $500,000.

Washington—Sewerage System, etc.—Spec. 5195—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans improving sewerage system, at Naval Radio Compass Station, at Klipsan Beach; also altering quarters, tennis court, etc., at Naval Radio Station, North Head.

Bids Desired

N. H., Nashua—Remodeling—June 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. May 20.

Mass., Boston — Mezzanine — June 1, by Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine floor in U. S. Post Office, here.

N. Y., New York — Tower — June 11, by U. S. Engineer Office, Army Bldg., 100 ft. steel tower on concrete foundations, here; adv. E. N.-R. May 20.

Pa., Pittsburgh — Houses — June 16, by U. S. Engineer's Office, two 2 story lockkeepers houses, at Lock No. 4, Allegheny River; adv. E. N.-R. May 20.

D. C., Wash.—Hangar—June 14, at office Constructing Quartermaster, Munitions Bldg., steel hangar at Bolling Field, here; adv. E. N.-R. May 20. Noted Feb. 4.

W. Va., Huntington—Docking Caissons—June 12, by U. S. Engineer's Office, 3 steel docking caissons for Ohio River.

Ga., Fort Benning—Laboratory—June 10, by Constructing Quartermaster, permanent laboratory building at hospital; adv. E. N.-R. May 20.

Ky., Louisville—Hulls, etc.—June 14, by U. S. Engineer Office, P. O. Box 72, 3 steel maneuverboat hulls and derricks; adv. E. N.-R. May 20.

O., Dayton — Sewer — May 26, by Constructing Quartermaster, storm water sewerage system, at Wright Field.

Mich., Presque Isle—Breakwater—June 7, by U. S. Engineer Office, Duluth, Minn., removing timber superstructure and replacing with concrete superstructure on breakwater, Marquette Bay, at harbor, here.

Ill., Jacksonville—Extension—May 26, by Treas. Dept. at office Supervising Archt., Wash., D. C., extension to U. S. Post Office, here.

Wis., Green Bay—Dredging—June 11, by U. S. Engineer Office, Milwaukee, dredging inner channel harbor, here; adv. E. N.-R. May 20.

Minn., St. Cloud—Barn, etc.—June 15, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rein.-con., brick and tile dairy barn, laundry and water softening plant, at U. S. Veterans Hospital 101, here. F. T. Hines, dir.; adv. E. N.-R. May 20.

Mo., Klondike—Revetment—May 25, by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, about 1,750 lin.ft. revetment on left bank Mississippi River, about 2 mi. east of here.

Ark., Hot Springs—Power Plant—June 10, by Constructing Quartermaster, Army and Navy General Hospital, power plant and laundry building, etc., here.

Nevada—Sewers, etc.—May 28, by U. S. Property and Disbursing Officer, Jefferson City, Mo., sewers and sewage disposal plant, at Camp Clark, here.

Calif., Mare Island—Chimney—Spec. 5193—June 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete chimney at Navy Yard, here.

Bids Received

Mass., South Boston (sta. Boston)—Spec. 5185—Bureau Yards & Docks, Navy Dept., Wash., D. C., May 5, dredging at Naval Dry Dock, here, from Bay State Dredging & Constr. Co., 60 Condor St., East Boston, $66,500. Noted Mar. 25.

R. I., Newport—Tile Lining—Spec. 5213—Bureau Yards & Docks, Navy Dept., Wash., D. C., tiling swimming pool at Naval Training Station, here, from U. S. Wires Co., Boston, Mass., **(1)** $7,700 **(2)** $425 and **(3)** $680. Noted Apr. 29.

Conn., New London—Refrigerating Plant—Spec. 5199—Bureau Yards & Docks, Navy Dept., Wash., D. C., automatic refrigerating plant, with 2 ton motor driven ammonia plant, refrigerating machine at Naval Submarine Base, here, from Bay State Constr. & Supply Co., 200 Causeway St., Boston, Mass. **(1)** $3,745 **(2)** $2,225 and **(3)** $1,597; from Milwaukee Steam Appliance Co., West Allis, Wis., **(1)** $80. Noted Apr. 29.

N. Y., Tupper Lake—Fence and Gates—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., fence and gates at U. S. Veterans Hospital, here, from Buffalo Fence Constr. Co., Ellicott Bldg., Buffalo, $13,850 (60 days).

Md., Annapolis—Mains, etc.—Spec. 5204 and 5175—Bureau Yards & Docks, Navy Dept., Wash., D. C., May 12, underground and subaqueous water mains at U. S. Naval Academy, here, from Virginia Eng. Co., Newport News, Va., $8,000; altering coal handling plant, from Concrete Oil Tank Co., Mills Bldg., Wash., D. C., $10,089. Noted Apr. 29.

D. C., Wash.—Power Plant—U. S. Engineer Office, 1068 Navy Bldg., May 4, power plant for Dist. of Columbia water supply, from Parson & Hyman, Equitable Bldg., **(1)** $1.50 **(2)** $5 **(3)** $10 **(11)** $0.07 **(12)** $0.10 **(14)** $0.10; from McLean Contg. Co., Fidelity Bldg., Baltimore, Md., **(4)** $0.10 **(6)** $1.25 **(10)** $0.08 **(13)** $0.12 **(16)** $225; from Ligon & Ligon, 200 East Lexington St., Baltimore, Md., **(8)** $17.50 **(9)** $0.075 **(17)** $12,000; from Allen Pope, Arizona Ave. and Upton St. N. W., **(5)** $3 **(15)** $19; from C. H. Tompkins Co., 1612 Park Rd., **(7)** $18.75. Noted Apr. 8.

Ill., Great Lakes (mail Waukegan) — Apartment—Spec. 5158—Bureau Yards & Docks, Navy Dept., Wash., D. C., May 12, brick, steel and stone apartment for officers at Naval Training Station, here, from Peterson-Colwell, Inc., 646 Builders Exch., Minneapolis, Minn., $83,688. Noted Apr. 29.

Wis., Milwaukee—Concrete—C. Hubbard, supt. Lighthouses, Federal Bldg., Apr. 29, 960 cu.yd. concrete at North Breakwater Lighthouse, from E. E. Gillen Co., 288 East Water St., $11,249 alternate $12,188. Apr. 22.

Wash., Easton—Canal—Bureau Reclamation, Ellensburg, Apr. 29, Kittitas Main Canal, Div. 1, Yakima Project, near here, from Waldson & Bergstrom, Spokane, $185,668. Noted Apr. 1.

Calif., San Francisco — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., May 7, remodeling kitchen, mess hall and laundry at U. S. Veterans Hospital, here, from Vogt & Davidson, 185 Stevenson St., $36,237.

Contracts Awarded

Mass., Chelsea—Quarters—Spec. 5168—Bureau Yards & Docks, Navy Dept., Wash., D. C., 2 double quarters, concrete, brick and steel, at U. S. Naval Hospital, here, to S. Pasquale, 9 Stedman St., Boston, $56,904 (180 days). Noted May 6.

Pennsylvania — Recreation, etc. — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., recreation building, etc., at U. S. Veterans Hospital, Aspinwall, here, to Murch Bros. Constr. Co., 1856 Ry. Exch. Bldg., St. Louis, Mo., $102,000. Noted May 6.

Pa., Fort Mifflin (mail Essington) — Dredging—U. S. Engineer Office, 1505 Race St., Phila., dredging 47,000 cu.yd. in Delaware River, here, to Amer. Dredging Co., Phila., Pa., $16,082. Noted May 6.

D. C., Wash.—Granite—Executive Officer Arlington Memorial Bridge Com., granite for Arlington Memorial Bridge across Potomac River, to Stone Mountain Granite Co., Stone Mountain, Ga., $207,000; and to North Carolina Granite Co., Mt. Airy, N. C., $1,615,000. Noted Apr. 29.

D. C., Wash.—Piping—U. S. Veterans Bureau, Arlington Bldg., moving and installing utility piping, etc., at Walter Reed General Hospital, to G. E. Wyne, 2525 Penn Ave. N. W., $105,000. Noted Apr. 29.

D. C., Wash.—Quarters—Spec. 5087—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending nurses quarters at U. S. Naval Hospital, here, to Devault & Detrick, Massillon Rd., Canton, O., $74,982. Noted May 6.

Tenn., Memphis—Levee—U. S. Engineer Office, 443,000 cu.yd. levee in St. Francis Levee Dist., Item 20, to T. W. Roach, Memphis, $112,522.

Unclassified

Proposed Work

Playground, etc.—Boston, Mass.—City, Pub. Wks. Dept., plans playground and concrete stand, Randolf St. $25,000. J. H. Sullivan, comr.

Transmission Lines—Brockton, Mass.—Edison Electric Illumination Co., plans 14 mi. double transmission lines from Dupont Circle Substation to Montaup Electric Co. lines, incl. 7,500 kva. synchronous condenser, offices and starting equipment, station service transformers, etc. Stone & Webster, Inc., 147 Milk St., Boston, engrs.

Transmission Line — Somerset, Mass. — Montaup Electric plans 14 mi. 60 kv. circuit from Somerset Station to lines of Edison Electric Illuminating Co. of Brockton, incl. oil circuit breaker, lightning arrester and disconnecting switches. Stone & Webster, Inc., 147 Milk St., Boston, constr. engrs.

Camp Grounds—Providence, R. I.—State plans rebuilding camp grounds. $25,000 or more. A. C. Cole, adjutant.

Lighting Standards—Wallingford, Conn.—Electric Light Dept. plans lighting standards on Hall and Quimipiac Aves., Center, Colony and Elm Sts. $35,000.

Swimming Pool—Willow Grove, Pa.—E. Schoeppe, archt., 1437 Spruce St., Phila., making plans 6,700 sq.ft. concrete swimming pool, Willow Grove Park. M. Davis, Bellevue Court Bldg., Phila., lessee.

Grain Elevator—Franklin, Tenn.—Lillie Mill Co. having plans prepared by Horner & Wyatt, 300 Board of Trade Bldg., Kansas City, Mo., 40 x 100 ft. grain elevator, rein.-con., 3,100 bu. capacity, etc.

Street Light System — Detroit, Mich. — Pub. Lighting Comn., 174 East Atwater St., plans new street lamps throughout city, $350,000; 85 lamps on 3rd St. from Peterboro to Amsterdam Sts., $68,000; 85 lamps on Linwood St. from Grand Blvd. to Elmhurst Aves., $53,000; 19 lamps on Forest Ave. from Mt. Elliott to Gratiot Aves., $15,500 85 lamps on 12th St. from Grand Blvd. to Elmhurst Ave., $81,000; 82 lamps in Belle Isle Park, $72,000; on Vernor Highway from 18th to 24th Sts., $23,800; and extending service to new public buildings, $50,000.

Street Lighting System—St. Louis, Mo.—Business Men of District, c/o J. Darst, 105 North 8th St., making preliminary plans electric lighting system on about 1 mi. Grand Blvd. north and south of Olive St., incl. steel standards, 90 ft. apart, 3,000 cp. each unit.

Park, Playground, etc.—St. Louis, Mo.—F. W. Pape, comr., Dept. Parks & Playgrounds, Municipal Court Bldg., soon takes bids developing Penrose Park and constructing Kingshighway through park, $60,000; also developing Genevieve Strodtman playground, etc., $16,500.

Land Development — St. Louis, Mo. — Stedelin Bros., 823 North 4th St., purchased 50 acre subdivision tract, Gravois Rd. just outside city limits, and making preliminary plans developing same; incl. streets and sewers, etc.

Land Development—Waco, Tex.—Whit Rogers Realty Co. plans developing 45 acre subdivision, incl. water, sewers, gas, etc. $40,000. Private plans.

Dock, etc. — Vancouver, Wash. — Soon takes bids constructing dock and warehouse. $80,000.

Skating Rink—New Toronto, Ont.—Town Council plans ice skating rink, brick and concrete. $25,000. Engineer not selected.

Bids Desired

Timber Piles—Albany, N. Y.—May 21 (extended date), at office Albany Port Dist. Comn., 100 State St., timber piles and platform for bulkhead for Port of Albany, T. Fitzgerald, secy.; adv. E. N.-R. May 13.

Fill—Corona (Ind. Sta. Flushing), **N. Y.**—May 28, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, furnishing and placing fill in Corona Yard, and along Roosevelt Ave. east of Willets Point Blvd. Route 52, here.

Culvert, etc. — New Rochelle, N. Y. — June 9, by Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, excavating, grading and culvert for Approach Rd. from Pelham Rd. to Glen Island Park, here. Former bids rejected. J. Downer, ch. engr.; adv. E. N.-R. May 20. Noted May 13.

Tracking, etc.—New York, N. Y.—May 28, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks in part Queensboro Subway line, here; also supplying track materials for constructing Rapid Transit Railroads, (Order 8).

Entrance and Exit Plazas—Jersey City, N. J.—May 24, by New York State Bridge & Tunnel Comn., Woolworth Bldg., New York City, constructing entrance and exit plazas, incl. curbing, sidewalks, granite block paving, etc., known as Contr. 26 of Holland Tunnel. T. Boettger, chn.

Wharf Sheds—Lake Charles, La.—June 1, by Louisiana Harbor & Terminal Dist., Assn. of Commerce Bldg., two 70 x 300 ft. steel wharf sheds. E. E. Shutts, Lake Charles, engr.

Transmission Line — Tennessee — See "Contracts Awarded."

Transmission Line—Kentucky—See "Contracts Awarded."

Heating and Ventilating—Detroit, Mich.—June 7, by Pub. Lighting Comn., 174 East Atwater St., heating and ventilating system, etc., for new municipal power and lighting plant. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Transmission Line—Missouri—See "Contracts Awarded."

Crane Gantries, etc.—Otahulu, New Zealand—Sept. 30, by Railway Bd., Railway Bldg., Wellington, 2 crane gantries and 13 steel framed buildings.

Bids Received

Supports for Retaining Walls — Long Island City, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, May 14, additional supports for retaining walls and abutment of Flushing Extension, Queensboro Subway, Agreement "EM," here, from N. A. Deiser, 280 Madison Ave., New York City. $52,803. Noted May 6.

Foundation, etc.—New York, N. Y.—B. M. Patten, comr. Pub. Markets, Municipal Bldg., May 13, viaduct foundations, ramp floors, etc. at Bronx Municipal Market, Exterior and 151st Sts., from C. Meads & Co., 217 West 14th St., $989,000. Noted May 6.

Park Development—Washington Crossing (mail Taylorville, Pa.) **N. J.**— State Bd. Conservation & Development, Trenton, developing state park here, landscaping, from J. H. Holcombe, Inc., 42 Pearl St., Trenton, $27,226; and masonry, from Jemison, Mealy & Felice, 338 Pennington Ave., Trenton, $4,205.

Bulkhead—Arabi, La.—Bd. State Engineers, Courthouse, New Orleans, 2,400 lin.ft. Martinez type creosoted bulkhead, here, from Highway Constr. Co., c/o State Engineer. New Orleans, $44,394.

Promenade — Detroit, Mich. — H. W. Busch, comr. Parks & Blvds., May 6, constructing brick, concrete and stone promenade around James Scott Water Fountain, on Bell Isle, from Gallagher-Fleming Co., 6500 Epworth Blvd., $37,000. Noted May 13.

Heating and Plumbing—Peoria, Ill.—See "Buildings—Educational, Religious."

Underground Conduits—Tacoma, Wash.—Bd. Pub. Wks., May 1, removing poles and electric wires and placing same in underground conduits on Commerce St., from F. A. Keasal & Co., Tacoma, $49,800.

Foundation—Los Angeles, Calif.—City, rein.-con. foundation for City Hall, North Main St., from United Bldg. & Finance Co., 1262 North Fair Oak St., Pasadena, $78,900.

Contracts Awarded

Heating and Ventilating — High Point, N. C. — See "Building — Educational, Religious."

Transmission Line — Kentucky — Kentucky-Tennessee Utilities Co., Mayfield, will build 22 mi. 33,000 volt transmission line from Murray to Mayfield, and rebuild distribution system at Murray. $30,000. Work will be done by day labor. Engineer not announced.

Transmission Line — Tennessee — Tennessee Electric Power Co., 540 Market St., Chattanooga, will build electric transmission line from Carthage to Gainsboro, via Granville and from Gainesboro to Livingston, by day labor. To exceed $25,000.

Storage Tanks—Franklin, Tenn.—Lillie Milling Co., general contract 10 rein.-con. storage tanks, 160,000 bu. capacity, to Industrial Eng. Co., 620 Kansas City Life Bldg., Kansas City, Mo.

Parkway — Cleveland, O. — Cleveland Metropolitan Park Bd., grading, driveways and improving Big Creek Parkway, to H. H. Heffner, Pearl Rd., $53,125.

Foundation — Huntington, Ind. — See "Buildings — Commercial under Proposed Work."

Grade Separation—Fordson, Mich.—Ford Motor Co., Fordson and Highland Park, constructing Eagel Ave. grade separation, incl. depression of street and partial elevation of 7 Fordson yard and 4 Pere Marquette tracks and Pennsylvania right-of-way, carrying street under highway at Mulkey and Wren Aves., 100,000 cu.yd. earth excav., and 22,000 cu.yd. rein.-con., to Blair Constr. Co., 602 Park Ave. Bldg., Detroit, $1,200,000.

Coal Bunker, etc. — Janesville, Wis. — Hough Shade Co., 1059 Jackson St., coal bunker, 12 ft. high, rein.-con. and steel, also warehouse, to A. Summers & Sons Co., 14 North Division St. Noted May 13.

Swimming Pool, etc.—Des Moines, Ia.—Dept. Parks & Pub. Property, J. G. Rounds, supt., 1 story, 46 x 130 ft. rein.-con. bath house, to Garmer-Stiles Co., 519 14th St., $14,719; clearing site and excavation for 85 x 150 ft. rein.-con. swimming pool, to F. Cram & Sons, Southern Surety Bldg., $4,320; concrete work in pool, electrolier foundations, puurifiers, etc., to L. A. Mullins, Des Moines, $15,361; pressure filters, to Permutit Co., Des Moines, $17,250, centrifugal pumps and motors, piping, valves, etc., to Iowa Machinery & Supply Co., 317 Court St., $2,284, etc. Grand total $57,934. Noted Feb. 4.

Transmission Line — Missouri — Empire Dist. Electric Co., will construct 25 mi., 3-phase, 33,000 volt 60 cycle transmission line in Newton and McDonald Counties, by day labor. F. C. Arthur, supt.

Amusement Park, etc.—Valley Park, Mo.—Lake Ozark Park Realty Co., R. F. D. 15, amusement park, incl. 75 x 130 ft. dancing pavillion, 120 x 180 ft. swimming pool, 100 small club houses, 90 x 90 ft. cafeteria, and 8 acre lake, etc., at Manchester and Barrett's Station Rds., to F. Heisler, c/o owner.

Wharf Shed — Galveston, Tex. — See "Buildings—Commercial."

Tunnel—San Francisco, Calif.—Bd. Pub. Wks. City and San Francisco Co., constructing tunnel and appurtenances under Buena Vista Park, to Youdall Constr. Co., Matson Bldg., $1,247,592. Noted Apr. 1.

Materials

Proposed Work

Gravel—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids May 4, 5,000 cu.yd. ¾ in. quartz gravel. Will readvertise. Noted Apr. 29.

Bids Desired

Patching Material—Boston, Mass.—May 25, by Supply Dept., 5,000 tons asphalt patching material. F. L. Brier, supt.

Castings—New York, N. Y.—May 24, by J. Miller, pres. Manhattan Boro, Boro Hall, iron castings.

Gas Pipe, etc.—Richmond, Va.—June 4, at office Pub. Utilities, City Hall, 1,000 lengths 4 in. gas pipe and fittings. G. H. Whitfield, dir.; adv. E. N.-R. May 20.

Gravel—Louisiana—June 11, by State Hy. Comn., Baton Rouge, approximately 6,600 cu.yd. gravel for Minden-Shreveport Highway, Federal Aid Project 75-A, Bossier Parish. W. B. Robert, Reymond Bldg., highway engr.

Cables—Milwaukee, Wis.—May 24, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 175,000 ft. steel-taped parkway and lead-covered cables.

Sand and Gravel—Minneapolis, Minn.—May 24, by F. S. Gram, city purch. agt., approximately 30,000 cu.yd. each of sand and gravel. N. W. Elsberg, city engr.

Contracts Awarded

Sewer Brick—Boston, Mass.—Bd. Pub. Wks., City Hall, 260,000 sewer bricks, to J. P. O'Connell Co., 11 Beacon St. at $25 per M. Noted Apr. 1.

Asphaltic Oil or Tar—Providence, R. I.—State, State House, 250,000 gal. asphaltic oil or tar, to M. Moulton Jr., Inc., 6 Beacon St., Boston, Mass., $19,975.

Ballast—Phila., Pa.—Dept. Supplies, E. J. Lafferty, dir., May 10, from J. Meehan & Son, 916 West Dakota St., 2,425 tons slag ballast at $2.58 per ton, 7,929 tons 1.5 x 2.5 ballast $2.73, 1,363 tons ¾ stone $2.90, and 1,475 tons ½ stone $2.95. Noted May 6.

Road Oil—Green Bay, Wis.—W. L. Kerr, city clk., 10,000 gal. road oil having 50% to 60% and 20,000 gal. having 60% to 70% asphaltic content, to Standard Oil Co., 414 Sycamore St., Milwaukee, $0.62 per gal. Noted Apr. 22.

Sand and Gravel—Minneapolis, Minn.—F. S. Gram, city purch. agt., 3,500 cu.yd. washed concrete sand, and 7,000 cu.yd. gravel, to Hennepin Sand & Gravel Co., 439 P St., Minneapolis, at $1, and $2.10 per cu.yd. respectively. Noted Apr. 15.

Cement, etc.—Montreal, Que.—Corporation of Montreal, 360,000 bags cement, to Canada Cement Co., Ltd., at $2.11 per bag; and 325,000 gal. fuel oil, to Imperial Oil Co., Ltd., 1250 St. Valier St., $0.0693 per gal.

See proposal advertising on page 107, Advertising Section

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